

# State Injury Indicators Report

Fifth Edition—2006 Data





**Centers for Disease  
Control and Prevention**  
National Center for Injury  
Prevention and Control





# **State Injury Indicators Report:** Fifth Edition—2006 Data

**U.S. Department of Health and Human Services**

Centers for Disease Control and Prevention  
National Center for Injury Prevention and Control  
Division of Injury Response

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## **Centers for Disease Control and Prevention**

**Thomas R. Frieden, MD, MPH**

Director

## **National Center for Injury Prevention and Control**

**Linda Degutis, DrPH, MSN**

Director

## **Division of Injury Response**

**Richard C. Hunt, MD, FACEP**

Director

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## Editors

**Renee L. Johnson, RPT, MSPH**

National Center for Injury Prevention and Control  
Division of Injury Response

**Robert G. Thomas, Jr., MSIM**

National Center for Injury Prevention and Control  
Office of Statistics and Programming

**Karen E. Thomas, MPH**

National Center for Injury Prevention and Control  
Division of Injury Response

**Bernardo R. Guzman, MD, MPH**

National Center for Injury Prevention and Control  
Division of Injury Response

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## Contributors

### **Arizona Department of Health Services**

Donna J. Courtney  
Christopher Mrela, PhD  
Alana Shacter, MPH  
Jamie Smith, MS, MPH  
Tomi St. Mars, RN, BSN, CEN, FAEN

### **Arkansas Department of Health**

Gayla Nooner, MA  
John Senner, PhD  
Liqiang Zhang, MBS

### **California Department of Public Health**

Barbara Alberson, MPH  
Anura W.G. Ratnasiri, MS  
Roger B. Trent, PhD

### **Colorado Department of Public Health and Environment**

Letoynia Coombs, MS, EdD

### **Connecticut Department of Public Health**

Mukhtar H. Mohamed, MPH, MA

### **Florida Department of Health**

Kyla Shelton, MPH

### **Georgia Department of Community Health**

Shaliondel Benton, MPH  
Laura Fehrs, MD  
Moges Ido, MPH  
Denise Yeager

### **Hawaii State Department of Health**

Daniel Galanis, PhD

### **Illinois Department of Public Health**

Rich Forshee, BA  
Jennifer L. Martin, BS  
John M. Tharp, MPH

### **Kansas Department of Health and Environment**

Greg Crawford, BA  
Joy Crevoiserat, BA  
Lori Haskett, BA  
Ghazala Perveen, MBBS, PhD, MPH  
Ismaila Ramon, MPH

### **Kentucky Injury Prevention and Research Center**

Mike Singleton, MS  
Lei Yu, MS

### **Louisiana Department of Health and Hospitals**

Mona Doshani, MD, MPH  
Mariella Gastanaduy, MPH

### **Maine Center for Disease Control and Prevention**

Cindy Mervis, MPH  
Denise Yob, MPH

### **Maryland Department of Health and Mental Hygiene**

Brenna Hogan, MPH

**Massachusetts Department of Public Health**

Maria McKenna, MPH  
Loreta McKeown, MPH

**Michigan Department of Community Health**

Thomas W. Largo, MPH

**Minnesota Department of Health**

Ayo Adeniyi, MBBS, MPH  
Anna Gaichas, MS  
Mark Kinde, MPH  
Jon Roesler, MS

**Montana Department of Public Health and Human Services**

Todd Harwell, MPH  
Steve Helgerson, MD  
Bobbi Perkins  
Bruce Schwartz

**Nebraska Department of Health and Human Services**

Xiaojuan Mi, MS  
Peg Prusa-Ogea, MA  
Ming Qu, PhD  
Lei Zhang, MS

**Nevada State Health Division**

Alicia Hansen, MS  
Jay Kvam, MSPH  
Matt Panuska, BS  
Andrea R. Rivers, BA

**New Hampshire Department of Health and Human Services**

Karla Armenti, ScD  
JoAnne Miles, MPH  
Rhonda Siegel, MEd

**New Mexico Department of Health**

Barbara Chatterjee, MS  
Glenda Hubbard, MPH  
Office of Injury Prevention  
Leona Woelk, MA

**New York State Department of Health**

Michael Bauer, MS  
Susan Hardman

**North Carolina Department of Health and Human Services**

Melinda Eaton, DVM, MPH  
Scott Proescholdbell, MPH  
Sharon Schiro, PhD

**Ohio Department of Health**

David Engler, PhD (Ohio Hospital Association)  
Edward Socie, MS

**Oklahoma State Department of Health**

Tracy Wendling, MPH

**Oregon Department of Human Services**

Melvin Kohn, MD, MPH  
Matthew R. Laidler, MPH, MA  
Lisa M. Millet, MSH

**Pennsylvania Department of Health**

Nathan T. James, BA

**Rhode Island Department of Health**

Edward F. Donnelly, RN, MPH

Janice A. Fontes, MA

**South Carolina Department of Health and Environmental Control**

Georgette Demian, MPH

Elizabeth Hall, BS

**Tennessee Department of Health**

John P. Brown, BBA

Sumalee Canaday, BA, BS

**Utah Department of Health**

Catherine Groseclose, MS

Albert Wang, MPH

Tong Zheng, MS

**Vermont Department of Health**

Caroline W. Dawson, BS, MS, MPA

Joan Mongeon, BS, MS

Edith Munene, BA, MA, MA, EdD

Jason Roberts, BS, MPH

**Virginia Department of Health**

Christina Sloan, MPH

**Washington State Department of Health**

Jethro S. De Lisle, MA

**Wisconsin Department of Health Services, Division of Public Health,  
Bureau of Health Information and Policy**

Brianna Kopp, MPH

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## FOREWORD

The Centers for Disease Control and Prevention (CDC)'s National Center for Injury Prevention and Control (NCIPC) is pleased to provide this fifth edition of the "State Injury Indicators Report" featuring 2006 data. We hope state public health officials and others will find the surveillance data presented in this report useful in making decisions about prevention efforts to reduce the burden of injury in the United States.

The methods used to prepare these data are consistent with those used in previous cycles of injury indicator data collection. They are based on recommendations presented in the "Consensus Recommendations for Using Hospital Discharge Data for Injury Surveillance" and from the National Public Health Surveillance System indicators developed by the Safe States Alliance (formerly known as the State and Territorial Injury Prevention Directors Association) and the Council of State and Territorial Epidemiologists. With partner feedback and updated consensus recommendations, CDC continuously modifies the instructions and methods used to prepare these data. The 2006 data collection cycle had no changes from the 2005 cycle.

Thirty-six states submitted data either as a part of CDC Program Announcement 05027 or voluntarily. As more states and U.S. territories participate in this surveillance effort, a broader picture of the burden of injuries can be presented and priorities for prevention can be targeted. NCIPC looks forward to continuing its work with partners to advance and improve injury surveillance using state-based data on fatal and nonfatal injuries.

## ABBREVIATIONS

<b>BRFSS</b>	Behavioral Risk Factor Surveillance System
<b>CDC</b>	Centers for Disease Control and Prevention
<b>CSTE</b>	Council of State and Territorial Epidemiologists
<b>FARS</b>	Fatality Analysis Reporting System
<b>HDD</b>	Hospital discharge data
<b>ICD-10</b>	International Classification of Diseases – Tenth Revision
<b>ICD-9-CM</b>	International Classification of Diseases – Ninth Revision – Clinical Modification
<b>NCIPC</b>	National Center for Injury Prevention and Control
<b>NIS</b>	Nationwide Inpatient Sample
<b>NPHSS</b>	National Public Health Surveillance System
<b>NVSS</b>	National Vital Statistics System
<b>STIPDA</b>	State and Territorial Injury Prevention Directors Association
<b>TBI</b>	Traumatic brain injury
<b>WISQARS</b>	Web-based Injury Statistics Query and Reporting System

# INTRODUCTION

Surveillance is one of the critical and basic elements of injury prevention and control. It helps determine the magnitude of injury morbidity and mortality, the leading causes of injury, and the population groups and behaviors associated with the greatest risk of injury. Surveillance data are also fundamental to determining program and prevention priorities. Furthermore, these data are crucial for evaluating the effectiveness of program activities and for identifying problems that need further investigation.

Injury continues to be the leading cause of death and disability among children and young adults.<sup>1</sup> In 2006, approximately 179,000 people died from injuries in the United States: 24% of the injuries were from motor vehicle traffic crashes, 19% were from suicide, and 10% were from homicide.<sup>1</sup> In addition, in 2006 more than 29.8 million people were treated for injuries in U.S. emergency departments.<sup>1</sup> The economic burden of injuries is also significant. Fifty million injuries were treated in 2000, costing an estimated \$406 billion in medical expenses and productivity losses.<sup>2</sup>

The mission of public health includes prevention, mitigation, optimization of access to treatment, and reduction of injury-related disability and death.<sup>3</sup> The scope of public health encompasses injuries—both intentional and unintentional—involving any mechanism (e.g., firearm, motor vehicle, or burn). An important part of the public health mission is to emphasize that injuries are preventable and to dispel the misconception that they are unavoidable.

The Safe States Alliance, formerly known as the State and Territorial Injury Prevention Directors Association (STIPDA), recognized the need for more comprehensive injury surveillance data and produced “Consensus Recommendations for Injury Surveillance in State Health Departments” in 1999,<sup>4</sup> which was updated in 2007.<sup>5</sup>

These recommendations were developed by a working group representing STIPDA, the Council of State and Territorial Epidemiologists (CSTE), the Centers for Disease Control and Prevention and its National Center for Injury Prevention and Control (NCIPC), and the Society for Advancement of Violence and Injury Research.

These state health department consensus recommendations identified 14 specific injuries and injury risk factors to be placed under surveillance by all states and 11 data sets to be used to monitor these injuries and risk factors.<sup>4</sup> The goal is to improve state-based injury surveillance to better support injury prevention programs and policies. The integration of state-based injury surveillance with overall public health surveillance as part of the National Public Health Surveillance System (NPHSS) will be much easier as the methods used to track fatal and nonfatal injuries at the state level are enhanced and standardized.<sup>6</sup> With these state health department consensus recommendations, CSTE and STIPDA developed injury indicators that were formally adopted by NPHSS.<sup>7,8</sup> The NPHSS injury indicators add to others developed by CSTE for chronic diseases and other areas.<sup>7</sup>

“Consensus Recommendations for Using Hospital Discharge Data for Injury Surveillance,” published in 2003, has provided clear and specific guidelines about evaluating and using hospital discharge data.<sup>9</sup> It presents important considerations for assessing data quality and outlines the methods for developing an injury hospitalization data set. In addition, the “Consensus Recommendations for Surveillance of Falls and Fall-related Injuries,” published in 2006, recommends including criteria for three fall indicators.<sup>10</sup>

The STIPDA and CSTE documents laid the foundation for collecting and disseminating the injury indicators in this report. This report is the culmination of the collaborative process of building strong state-based injury surveillance that can be compared among jurisdictions.

# DISCUSSION OF INDICATORS

## What is an Injury Indicator?

*An injury indicator describes a health outcome of an injury, such as hospitalization or death, or a factor known to be associated with an injury, such as a risk or protective factor, among a specified population.*

## Methods

The data presented in this report are drawn from:

- state vital statistics records
- state hospital discharge data (HDD)
- the National Center for Health Statistics' National Vital Statistics System (NVSS)
- the Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project Nationwide Inpatient Sample (NIS)
- the CDC's Behavioral Risk Factor Surveillance System (BRFSS)
- the National Highway Traffic Safety Administration's Fatality Analysis Reporting System (FARS)

The methods used to prepare this report are fully delineated in the companion publication, "State Injury Indicators: Instructions for Preparing 2006 Data."<sup>11</sup> In brief, injury hospitalization cases were identified from state-based HDD by using the principal diagnosis (or first-listed International Classification of Diseases-Ninth Revision-

Clinical Modifications [ICD-9-CM] diagnosis code) with other selective factors. Injury deaths were identified from vital statistics by using the International Classification of Diseases-Tenth Revision (ICD-10) underlying-cause-of-death codes. All multiple-cause-of-death fields were searched for the fatal traumatic brain injury indicator. For comparison purposes, national rates for the fatality indicators were generated by using the NVSS. National rates for the hospitalization indicators were generated by using the NIS. The national rates include data for all 50 states and not just the 36 states that submitted data.

The following ICD-10<sup>12</sup> and ICD-9-CM<sup>13</sup> code groupings were used to identify cases of injury-related death and hospitalizations, respectively.

## All Injury Indicators

### Injury fatalities

V01–Y36, Y85–Y87, Y89, \*U01–\*U03

### Hospitalizations for all injuries

800–909.2, 909.4, 909.9–994.9, 995.5–995.59, 995.80–995.85

## Drowning Indicators

### Unintentional drowning fatalities

W65–W74, V90, V92

### Drowning-related hospitalizations

994.1, E830, E832, E910, E954, E964, E984

## Fall Indicators

### Unintentional fall-related fatalities

W00–W19

### Unintentional fall-related hospitalizations

E880–E886, E888

### Hip fracture hospitalizations in persons aged 65 years or older

820

## Fire-related Indicators

### Unintentional fire-related fatalities

X00–X09

### Unintentional fire-related hospitalizations

E890–E899

## Firearm-related Indicators

### Firearm-related fatalities

W32–W34, X72–X74, X93–X95, Y22–Y24, Y35.0, \*U01.4

### Firearm-related hospitalizations

E922.0–E922.3, E922.8, E922.9, E955.0–E955.4, E965.0–E965.4, E985.0–E985.4, E970, E979.4

## Homicide/Assault Indicators

### Homicides

X85–Y09, Y87.1, \*U01, \*U02

### Assault-related hospitalizations

E960–E969, E979, E999.1

## Motor Vehicle Indicators

### Motor vehicle traffic fatalities

V02–V04 (.1, .9), V09.2, V12–V14 (.3–.9), V19 (.4–.6), V20–V28 (.3–.9), V29–V79 (.4–.9), V80 (.3–.5), V81.1, V82.1, V83–V86 (.0–.3), V87 (.0–.8), V89.2

### Motor vehicle traffic hospitalizations

E810–E819

## Poisoning Indicators

### Poisoning fatalities

X40–X49, X60–X69, X85–X90, Y10–Y19, Y35.2, \*U01(.6–.7)

### Poisoning hospitalizations

E850–E858, E860–E869, E950–E952, E962, E972, E980–E982, E979 (.6–.7)

## Suicide/Suicide Attempt Indicators

### Suicides

X60–X84, Y87.0, \*U03

### Suicide attempt hospitalizations

E950–E959

## Traumatic Brain Injury Indicators

### Traumatic brain injury fatalities

S01.0–S01.9, S02.0, S02.1, S02.3, S02.7–S02.9, S04.0, S06.0–S06.9, S07.0, S07.1, S07.8, S07.9, S09.7–S09.9, T01.0, T02.0, T04.0, T06.0, T90.1, T90.2, T90.4, T90.5, T90.8, T90.9

### Traumatic brain injury hospitalizations

800.0–801.9, 803.0–804.9, 850–854, 950.1–950.3, 959.01, 995.55

For the BRFSS data, weighted percentages were generated by state by using the 2006 public-use data file for the questions of interest.<sup>14</sup> Alcohol-related crash death rates were calculated by state by dividing the number of alcohol-related crash deaths from FARS data by the state population.<sup>15</sup> An alcohol-related crash death is defined as a death due to a motor vehicle traffic crash where either the driver or a nonoccupant (e.g., pedestrian) had a blood alcohol concentration of 0.01 g/dL or higher.

## Hospital Discharge Data Quality

The quality and completeness of hospital discharge data are affected by such factors as the completeness of external-cause-of-injury coding and the inclusion or exclusion of residents in out-of-state hospitals. Both incomplete external-cause-of-injury coding and the loss of state residents treated in out-of-state hospitals decrease the number of cases that can be identified and result in the erroneous reporting of lower rates. Readers should consider the representativeness of data from individual state hospital discharge data systems when interpreting rates based on hospital discharge data as a whole.

For 2006, hospital discharge data with external cause coding ranged from 53% to 100% (**Table A**).

Eighty-two percent of the reporting states have more than 80% of their hospitalization data external-cause-of-injury coded; this percentage is lower than the 94% of the states in the third edition of this report and similar to the 84% of the states in the fourth edition. The number of states with more than 90% of hospitalization data external-cause-

of-injury coded is 71%, which is higher than the 66% of states having more than 90% coded in the third edition<sup>16</sup> and the 58% of states having more than 90% coded in the fourth edition.<sup>17</sup>

**TABLE A**  
**Factors Affecting Representativeness of 2006 Hospital Discharge Data**

	External Cause Percentage*	Complete Hospital Participation	Inclusion of Readmission and Transfer	Cross-Border Hospitalization†	
				Enough to Impact Totals	Have Out-of-state Data
Arizona	97.0%	Yes	Yes	No	No
Arkansas	96.4%	Yes	Yes	Yes	No
California	93.3%	Yes	Yes	No	No
Colorado	98.4%	Yes	Yes	No	No
Connecticut	92.7%	No	Yes	No	No
Florida	94.7%	Yes	Yes	No	No
Georgia	94.9%	Yes	Yes	No	No
Hawaii	92.6%	Yes	Yes	No	No
Illinois	53.2%	Yes	Yes	Yes	No
Kansas	87.0%	Yes	Yes	No	Yes
Kentucky	78.8%	No	Yes	Yes	No
Louisiana	‡	‡	‡	‡	‡
Maine	92.5%	Yes	Yes	No	No
Maryland	95.7%	Yes	Yes	Yes	No
Massachusetts	98.5%	Yes	Yes	No	No
Michigan	81.5%	Yes	Yes	No	Yes
Minnesota	84.0%	No	No	No	No
Montana	‡	‡	‡	‡	‡
Nebraska	94.9%	Yes	Yes	Unknown	No
Nevada	77.4%	Yes	Yes	Yes	No
New Hampshire	98.9%	Yes	Yes	Yes	No
New Mexico	69.5%	Yes	Yes	Yes	No
New York	99.1%	Yes	Yes	No	No
North Carolina	95.5%	Yes	Yes	Unknown	No
Ohio	63.4%	No	Yes	Yes	Yes
Oklahoma	92.5%	Yes	Yes	No	No
Oregon	87.0%	Yes	Yes	No	Yes
Pennsylvania	97.3%	Yes	Yes	No	No
Rhode Island	99.1%	Yes	Yes	Yes	No
South Carolina	91.2%	Yes	Yes	Yes	Yes
Tennessee	96.3%	Yes	Yes	No	No
Utah	92.0%	Yes	Yes	No	No
Vermont	98.2%	Yes	Yes	Yes	Yes
Virginia	78.6%	Yes	Yes	No	No
Washington	100.0%	Yes	Yes	Yes	Yes
Wisconsin	98.4%	Yes	Yes	No	No

\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.

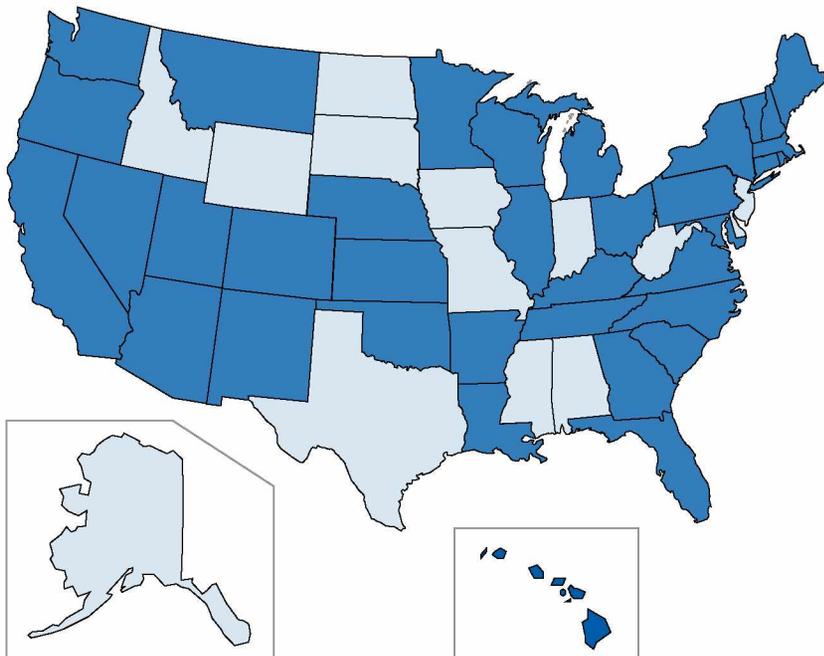
† Subjective assessment by health department staff of whether a substantial proportion of state residents injured in-state who require hospitalization are hospitalized in a neighboring state.

‡ No data available.

## Highlights

The injury indicator data presented here provide a unique, state-specific look at the magnitude of 10 injury topics. Using state-specific data sets and the agreed-upon methodology allows for comparing findings both within indicators and among states. The magnitude and impact of the various causes of injury can be compared within states. Interstate comparisons also become possible as the completeness of reporting and external-cause-of-injury data continues to improve.

The 36 reporting states are geographically diverse and represent both urban and rural areas. The population of these 36 states represents 79% of the total U.S. population. These states, when considered together, provide an overview of injury in each of the injury indicator topics.



## Limitations and Future Efforts

Although this report provides important information for understanding injury, the following limitations should be considered:

- Only injuries severe enough to lead to either hospitalization or death are reported. Injuries that lead to emergency department or physician office visits or that remain untreated need to be accounted for if the total burden of injury is to be understood
- Not all causes of injury have been included in this report
- Not all states and territories are represented in this report
- Quality and completeness of external-cause-of-injury coding continue to be incomplete

Future editions of the “State Injury Indicators Report” will strive to address these limitations. NCIPC, the Safe States Alliance, and CSTE, in conjunction with participating states, will continue to refine current indicators and define new ones for inclusion in future editions of this report. The incorporation of emergency department data into future editions is under exploration and consideration. Finally, submission of data from additional states and territories is encouraged and welcomed.

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## **ALL INJURY INDICATORS**

**1a.** Injury Fatalities (Overall), 2006

**1b.** Injury Fatalities by Sex, 2006

**1c.** Injury Fatalities by Age, 2006

**1d.** Hospitalizations for All Injuries (Overall), 2006

**1e.** Hospitalizations for All Injuries by Sex, 2006

**1f.** Hospitalizations for All Injuries by Age, 2006

## ALL INJURY INDICATORS

For 2006, the individual state rates of injury fatalities ranged from 35.0 (New York) to 94.4 (New Mexico) per 100,000 persons (**Figure 1a**). The second highest rate of fatalities occurred in Montana (81.6 per 100,000 persons), followed by Tennessee (79.5 per 100,000 persons). The national rate for injury fatalities was 58.9 per 100,000 persons. This figure represents an increase from the 2005 national rate of 57.8.

The sex-specific state rates of injury fatalities ranged from 52.7 (New York) to 134.1 (New Mexico) among males and from 19.0 (New York) to 56.0 (New Mexico) among females (**Figure 1b**). The national rate for injury fatalities was 85.6 per 100,000 persons among males and 33.8 per 100,000 persons among females. The state rates were always higher among males than females. Rates varied from 2.0 times higher (Utah) to 3.0 times higher (Maryland) among males than females.

Among the reporting states, the highest injury fatality rates were among people aged 85 years or older, with a range of 199.7 (New York) to 606.1 (Vermont) per 100,000 persons (**Figure 1c**). The lowest injury fatality rates were among people aged 5 to 14 years, with a range of too few cases to report to 15.2 (Oklahoma) per 100,000 persons.

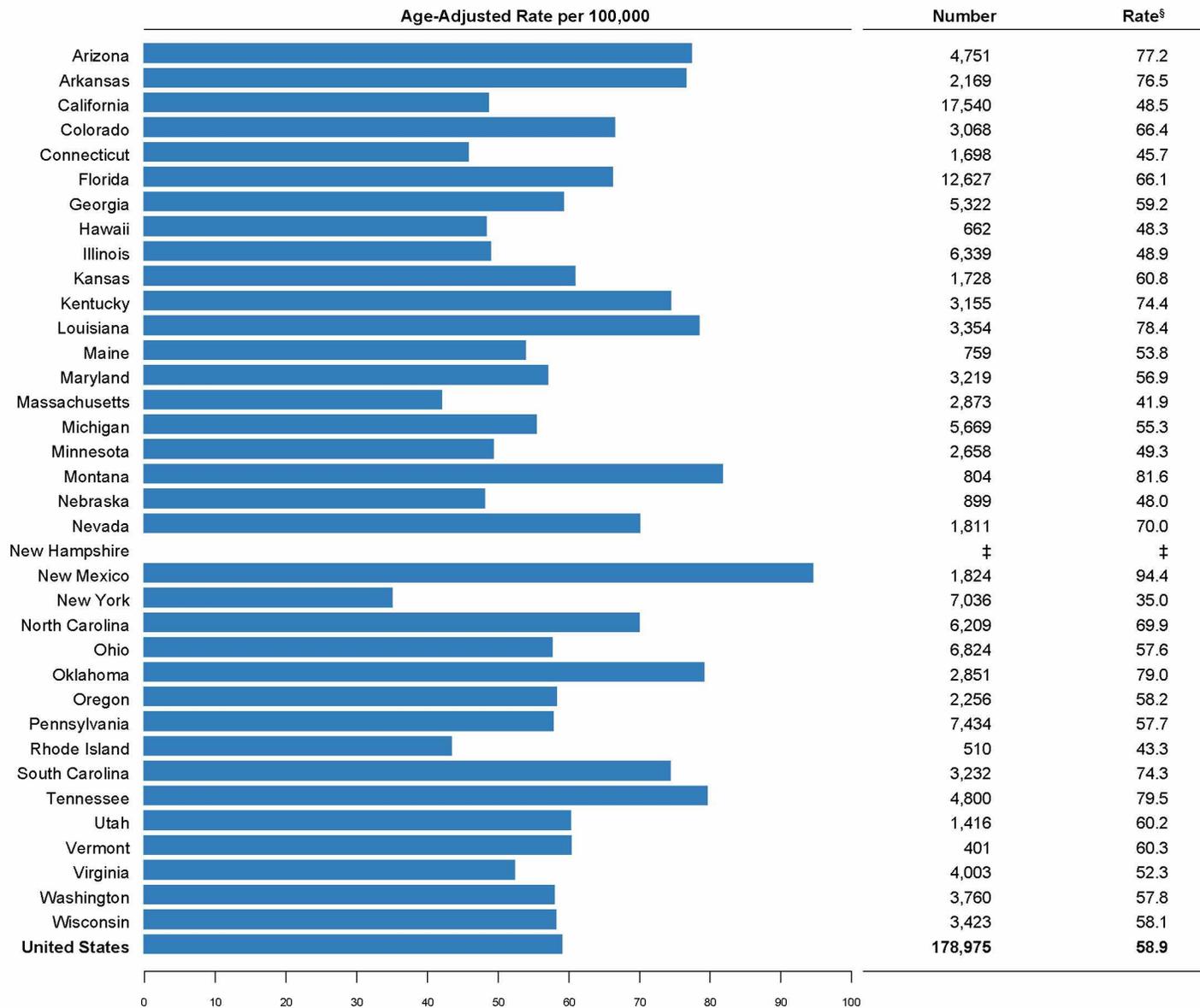
The individual state rates of hospitalizations for all injuries ranged from 401.1 (New Hampshire) to 713.6 (Pennsylvania) per 100,000 persons (**Figure 1d**). The second highest rate of hospitalizations occurred in Oklahoma (662.9 per 100,000 persons), followed by Tennessee (656.6 per 100,000 persons). The national rate for hospitalizations for

all injuries was 613.1 per 100,000 persons. This figure represents an increase from the 2005 national rate of 605.3. The state with the lowest rate (New Hampshire) had an external cause completeness percentage of 98.9%. The state with the highest rate (Pennsylvania) had an external cause completeness percentage of 97.3%.

The sex-specific state rates of hospitalizations for all injuries ranged from 382.8 (New Hampshire) to 791.5 (Pennsylvania) among males and from 359.4 (Hawaii) to 619.7 (Oklahoma) among females (**Figure 1e**). The national rate for hospitalizations for all injuries was 652.9 per 100,000 persons among males and 544.9 per 100,000 persons among females. The state rates were higher among males except in Nebraska and New Hampshire. Rates varied from 1.1 times higher among females (Nebraska) to 1.4 times higher among males (Hawaii). Kansas and Kentucky had similar rates for males and females.

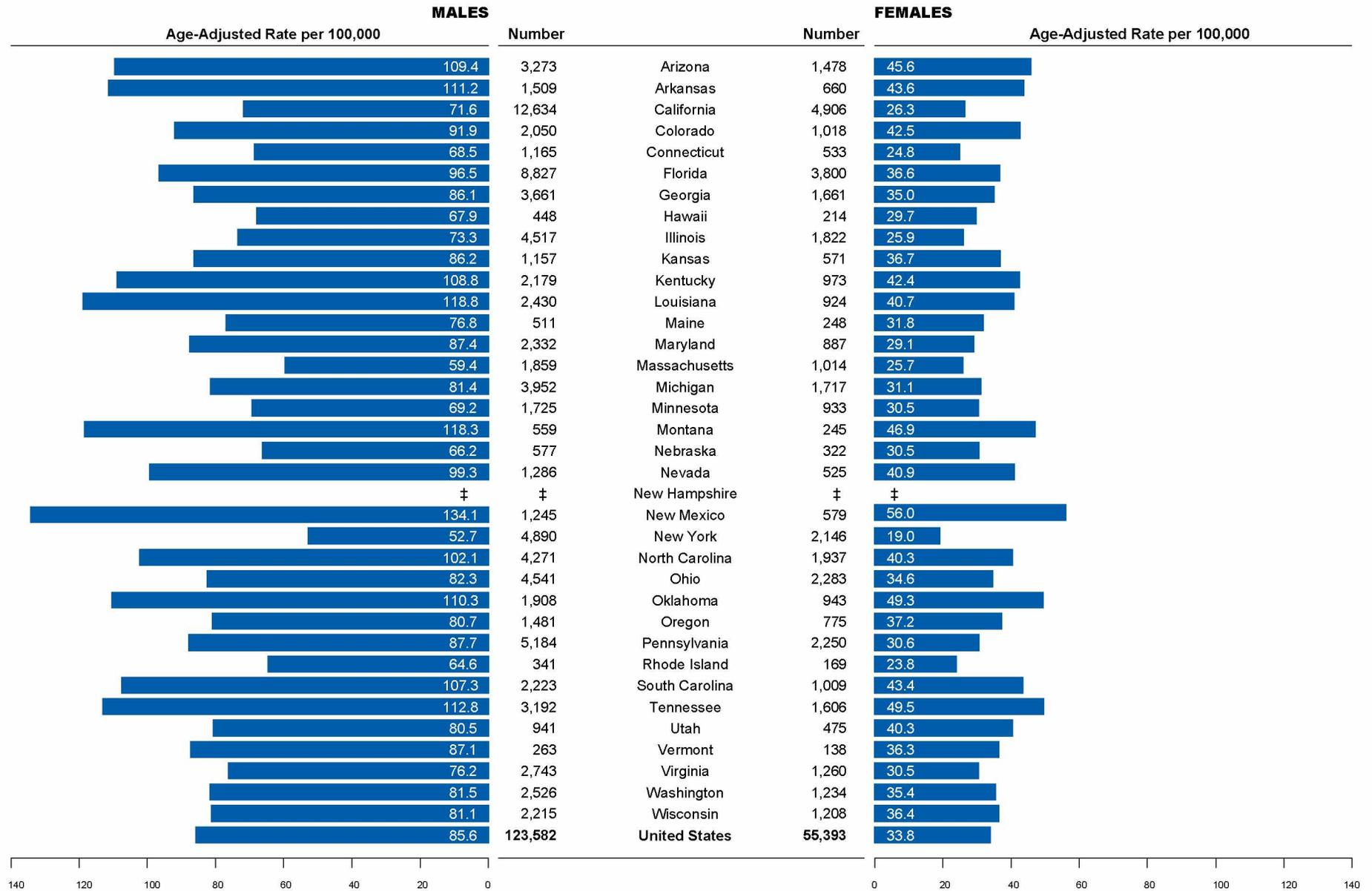
Among the reporting states, rates varied by age. The highest rates of hospitalizations for all injuries were among people aged 85 years or older, ranging from 3,597.7 (Hawaii) to 6,462.8 (Pennsylvania) per 100,000 persons (**Figure 1f**). The lowest rates of hospitalizations for all injuries were among people aged 5 to 14 years, ranging from 78.5 (New Hampshire) to 221.2 (Pennsylvania) per 100,000 persons.

**FIGURE 1A**  
**Injury Fatalities (Overall), 2006**



‡ No data available.      || Rates are suppressed if fewer than 20 cases were reported.  
 § Rate per 100,000 population.      ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 1B**  
Injury Fatalities by Sex, 2006



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 1C**  
**Injury Fatalities by Age<sup>#</sup>, 2006**

State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	
Arizona	94	19.5	67	7.4	759	85.7	670	74.4	740	85.8	767	97.0	461	75.3	291	67.3	466	172.5	436	454.7	
Arkansas	56	28.5	44	11.6	364	94.7	328	87.1	366	96.1	326	84.3	213	67.6	141	69.6	188	141.5	143	260.8	
California	315	12.0	308	6.0	2,966	54.7	2,508	48.2	2,736	49.9	3,374	67.2	1,906	55.5	976	48.8	1,343	97.9	1,108	200.0	
Colorado	66	18.8	35	5.4	426	59.4	471	72.1	506	68.9	552	75.5	292	58.6	182	70.1	260	161.2	278	514.1	
Connecticut	10		17		246	52.1	201	49.2	259	47.5	282	51.3	157	40.0	82	36.5	221	130.6	223	291.9	
Florida	279	24.7	159	7.3	1,803	78.5	1,743	77.0	1,931	75.1	2,135	84.4	1,336	65.2	894	61.8	1,239	110.3	1,108	238.9	
Georgia	141	20.1	85	6.4	847	63.5	828	60.2	816	56.0	925	70.3	493	52.7	359	71.2	431	146.0	397	350.2	
Hawaii	13		8		73	41.2	83	45.8	87	48.2	126	68.8	66	45.9	42	49.3	71	105.6	93	347.4	
Illinois	152	17.1	97	5.5	985	53.6	946	52.8	1,060	56.7	1,084	58.8	557	43.0	366	47.5	547	101.8	545	240.0	
Kansas	36	18.5	35	9.2	247	59.6	240	67.6	234	62.3	280	69.5	161	56.7	129	75.2	197	155.4	169	283.9	
Kentucky	58	20.9	41	7.4	424	76.7	537	91.8	576	94.8	504	81.3	286	60.5	228	79.5	274	150.5	227	329.5	
Louisiana	80	26.5	63	10.6	631	97.4	628	112.0	543	93.4	574	92.3	290	63.7	167	60.4	223	124.5	155	229.3	
Maine	5		12		108	62.9	81	53.4	123	63.0	126	57.9	95	56.7	53	54.0	74	109.8	82	303.6	
Maryland	46	12.5	52	7.0	564	72.3	515	70.4	582	66.8	540	62.9	312	51.2	168	49.1	237	106.3	203	236.7	
Massachusetts	25	6.4	26	3.3	323	36.1	364	43.9	486	49.0	555	57.1	274	38.9	174	42.5	282	91.2	364	265.7	
Michigan	140	21.9	81	5.9	732	50.8	808	63.5	950	65.0	1,034	67.5	570	51.5	337	52.7	523	117.1	494	282.7	
Minnesota	49	14.2	43	6.3	352	47.1	307	45.4	337	44.4	394	49.8	253	47.2	154	49.7	295	136.7	474	466.4	
Montana	21	36.3	10		123	90.1	96	85.5	109	90.4	137	89.8	77	66.6	56	84.0	76	169.3	99	521.1	
Nebraska	16		26	10.9	150	56.2	85	37.5	103	43.7	125	48.8	95	52.4	59	52.6	103	123.7	137	350.1	
Nevada	41	21.9	24	6.6	282	74.7	260	67.8	326	83.9	347	97.0	232	85.2	113	65.6	132	136.7	54	216.9	
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	32	22.6	28	10.4	256	87.6	269	105.0	319	123.3	334	121.7	173	82.9	120	93.8	145	175.0	148	468.2	
New York	161	13.4	94	3.8	1,014	36.7	913	36.2	965	33.2	1,093	38.7	768	36.8	542	42.8	741	83.4	745	199.7	
North Carolina	123	19.9	114	9.7	925	76.0	879	72.4	1,026	77.5	1,058	83.6	575	58.9	454	79.1	582	158.8	473	348.7	
Ohio	138	18.8	130	8.5	834	52.2	937	64.2	1,031	63.6	1,254	72.1	683	54.2	417	54.4	678	123.6	722	332.7	
Oklahoma	67	26.4	73	15.2	406	77.0	418	87.1	456	96.6	505	100.5	273	70.6	191	77.7	264	163.3	198	300.3	
Oregon	44	19.1	34	7.2	267	54.0	233	44.8	305	59.5	430	77.2	257	58.9	151	62.8	230	138.1	305	429.8	
Pennsylvania	86	11.8	98	6.2	1,118	62.1	1,033	70.0	1,206	69.3	1,163	64.1	611	43.3	464	47.4	849	125.3	806	352.6	
Rhode Island	¶		¶		52	32.5	58	43.8	74	46.8	94	58.8	53	45.8	22	32.7	65	117.0	87	346.3	
South Carolina	77	27.2	68	12.0	487	79.6	510	89.7	535	87.4	589	94.9	313	62.1	227	75.9	249	134.3	177	257.6	
Tennessee	101	25.4	69	8.5	706	85.9	682	83.9	854	98.1	853	97.9	482	72.7	338	82.4	387	154.6	328	345.7	
Utah	38	14.9	23	5.3	239	49.5	264	65.4	240	74.6	243	81.7	127	63.1	66	56.5	91	118.6	85	318.4	
Vermont	¶		¶		43	48.2	41	57.3	57	63.0	63	60.4	43	54.3	30	70.5	46	160.4	71	606.1	
Virginia	70	13.8	52	5.3	620	58.3	506	48.3	610	51.8	694	60.8	362	43.4	300	63.2	417	138.6	372	331.8	
Washington	60	14.6	53	6.2	502	54.5	443	52.3	528	56.0	756	78.2	412	58.9	259	69.9	329	133.1	418	383.5	
Wisconsin	66	18.7	42	5.8	436	53.7	371	52.3	513	63.1	543	63.0	294	48.8	237	65.9	384	148.3	537	478.5	
<b>United States</b>	<b>3,603</b>	<b>17.6</b>	<b>2,927</b>	<b>7.3</b>	<b>26,835</b>	<b>63.5</b>	<b>25,626</b>	<b>63.8</b>	<b>28,540</b>	<b>65.5</b>	<b>30,739</b>	<b>71.1</b>	<b>17,552</b>	<b>55.6</b>	<b>11,374</b>	<b>60.1</b>	<b>16,203</b>	<b>124.1</b>	<b>15,576</b>	<b>294.7</b>	

‡ No data available.

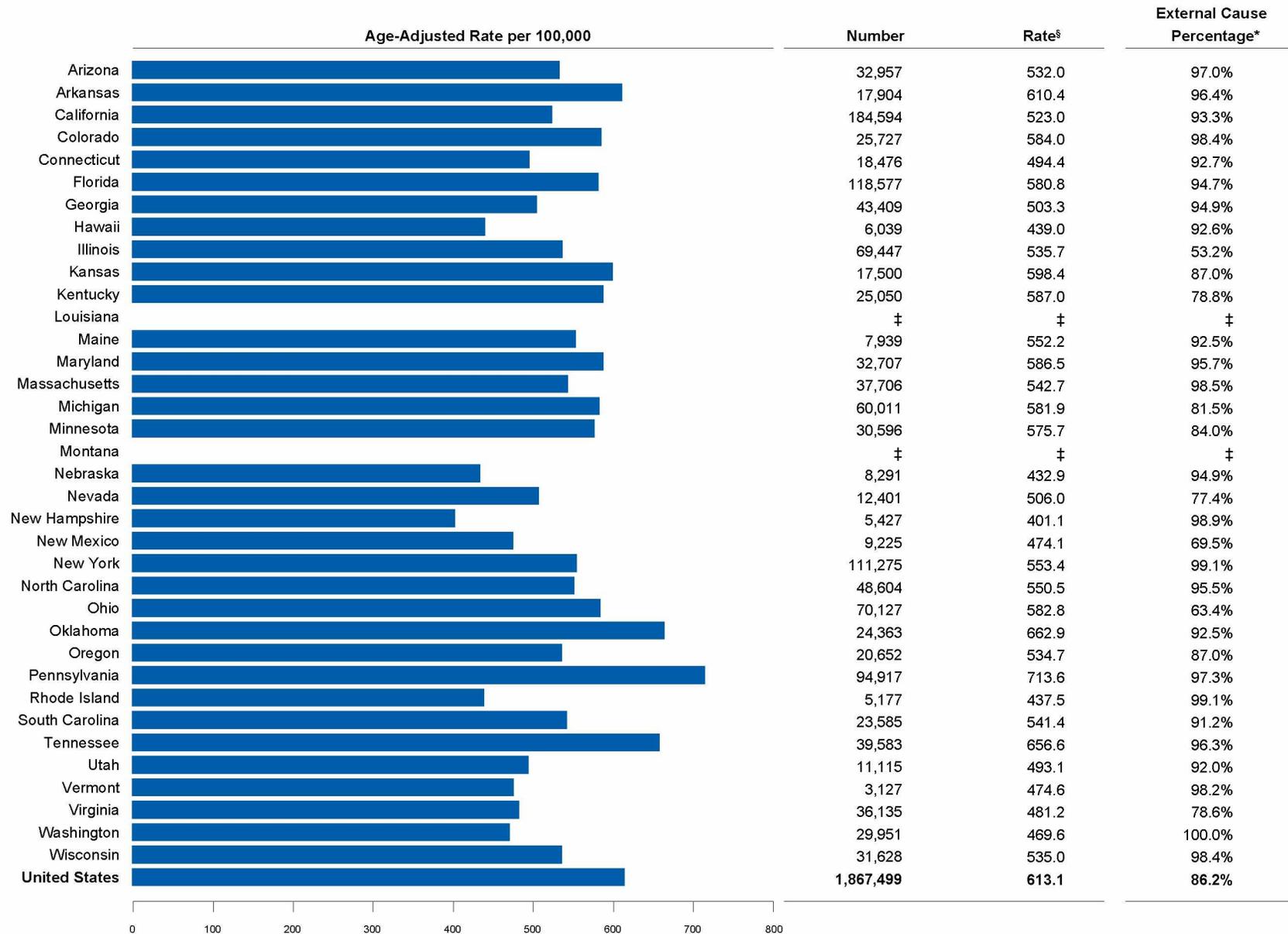
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

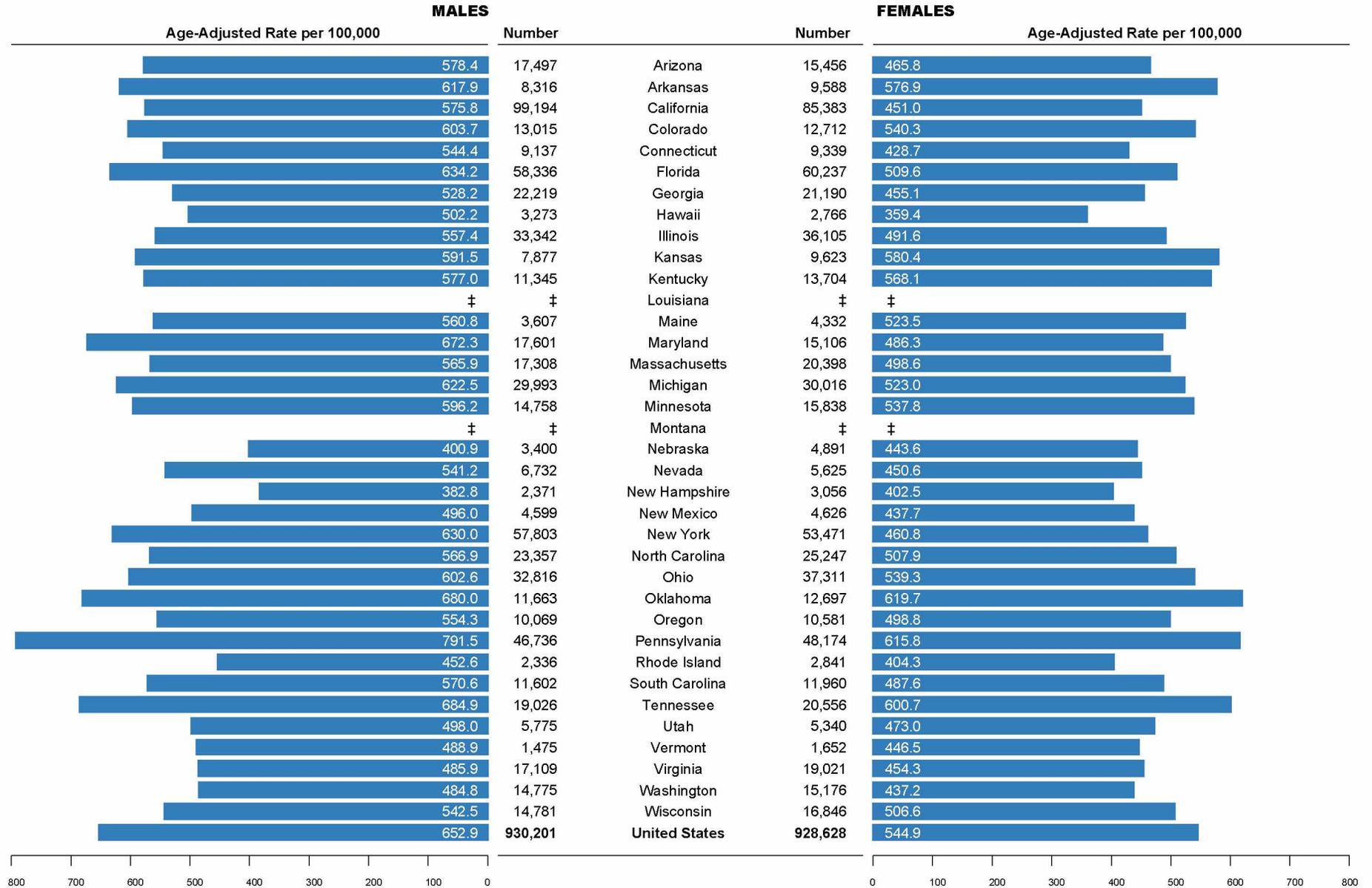
**FIGURE 1D**  
**Hospitalizations for All Injuries (Overall), 2006**



\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 1E**  
**Hospitalizations for All Injuries by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 1F**  
**Hospitalizations for All Injuries by Age<sup>#</sup>, 2006**

State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	
Arizona	1,124	233.0	1,517	167.1	4,601	519.4	3,886	431.4	4,013	465.5	3,855	487.7	2,950	482.1	2,807	649.0	4,584	1,696.8	3,620	3,774.9	
Arkansas	333	169.3	587	155.0	2,004	521.2	1,826	484.9	2,009	527.8	2,057	532.0	1,675	531.5	1,940	957.1	2,967	2,233.0	2,506	4,571.1	
California	6,498	247.6	9,758	190.2	25,588	471.8	18,597	357.1	19,633	357.8	21,521	428.9	17,289	503.3	15,590	780.2	26,747	1,950.1	23,373	4,218.6	
Colorado	448	127.7	862	132.2	3,102	432.6	2,586	396.1	2,953	401.9	3,423	468.0	2,629	527.5	2,390	921.2	3,875	2,402.3	3,459	6,396.8	
Connecticut	508	250.5	753	162.6	2,078	440.1	1,587	388.8	1,981	362.9	2,162	393.1	1,651	420.9	1,555	691.4	3,091	1,827.3	3,110	4,070.9	
Florida	2,738	242.1	3,971	182.0	12,589	548.1	10,681	472.1	12,195	474.1	13,595	537.2	10,796	527.1	11,717	809.8	21,441	1,908.7	18,854	4,064.7	
Georgia	1,357	193.3	1,855	139.1	5,330	399.7	4,867	353.9	5,354	367.7	5,457	414.9	4,283	458.1	4,086	810.2	6,047	2,048.7	4,773	4,210.4	
Hawaii	167	205.0	281	184.9	706	398.5	571	314.9	606	335.6	701	383.0	580	403.2	490	574.8	974	1,449.2	963	3,597.7	
Illinois	1,523	171.6	2,214	125.0	7,945	432.2	6,392	356.8	7,363	394.1	8,264	448.0	6,293	485.5	6,490	842.7	11,842	2,204.8	11,121	4,897.0	
Kansas	437	225.1	569	149.7	1,961	473.0	1,482	417.5	1,602	426.6	1,855	460.2	1,462	514.4	1,633	952.5	3,250	2,564.1	3,249	5,458.9	
Kentucky	427	153.8	788	142.9	2,577	466.0	2,540	434.3	2,839	467.2	3,036	489.9	2,407	509.1	2,778	968.8	4,331	2,379.5	3,327	4,829.2	
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	162	230.6	245	158.3	808	470.6	632	417.0	805	412.1	957	439.6	774	461.8	786	800.4	1,426	2,115.1	1,344	4,975.6	
Maryland	634	172.2	1,026	137.8	4,779	612.2	3,567	487.4	4,324	496.2	4,304	501.4	3,075	504.2	2,598	760.0	4,537	2,034.9	3,863	4,504.1	
Massachusetts	718	185.1	1,205	150.9	3,668	409.5	2,958	356.6	3,665	369.3	4,263	438.7	3,513	498.1	3,532	862.1	7,126	2,304.2	7,058	5,151.0	
Michigan	1,576	246.9	2,421	175.2	6,907	479.1	5,499	432.0	6,839	467.7	8,029	524.5	6,185	558.4	5,407	845.5	9,247	2,070.5	7,900	4,520.5	
Minnesota	689	199.6	1,314	191.8	3,700	495.5	2,665	394.0	3,279	431.8	3,691	466.5	2,852	532.3	2,763	891.5	4,767	2,208.7	4,876	4,797.6	
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	162	126.9	247	103.1	708	265.5	533	234.9	625	265.3	779	304.3	741	408.6	902	803.4	1,771	2,127.1	1,823	4,659.1	
Nevada	315	168.0	479	132.3	1,559	413.1	1,366	356.1	1,650	424.5	1,643	459.5	1,348	495.0	1,227	711.9	1,691	1,750.7	1,123	4,510.8	
New Hampshire	51	66.8	132	78.5	542	307.8	433	284.4	631	306.1	628	289.7	549	358.4	553	664.6	963	1,709.9	945	4,070.6	
New Mexico	281	198.8	382	142.3	1,137	389.1	919	358.6	1,039	401.6	1,062	387.1	866	415.2	846	661.3	1,496	1,805.3	1,197	3,786.5	
New York	3,802	317.5	5,082	207.5	13,207	477.7	10,422	412.9	12,508	430.9	13,218	467.6	10,150	486.0	9,498	750.3	17,124	1,926.3	16,264	4,359.6	
North Carolina	1,032	167.0	1,640	139.1	5,154	423.7	4,846	399.2	5,717	431.8	5,869	463.6	4,831	495.0	5,195	904.6	8,102	2,210.7	6,218	4,583.4	
Ohio	1,501	204.3	2,352	153.3	7,452	466.5	6,322	433.2	7,300	450.2	8,275	476.0	6,555	520.4	6,920	902.7	12,645	2,305.7	10,805	4,979.4	
Oklahoma	852	335.3	1,028	213.5	2,896	548.9	2,319	483.2	2,638	559.1	2,938	584.7	2,195	567.6	2,392	973.3	3,876	2,397.5	3,229	4,897.0	
Oregon	601	260.6	824	174.7	2,223	450.0	1,927	370.4	2,106	410.7	2,643	474.3	2,208	506.2	1,861	773.5	3,141	1,885.3	3,118	4,393.5	
Pennsylvania	1,964	268.6	3,501	221.2	10,978	609.7	8,382	568.2	10,412	597.9	11,304	622.8	8,591	609.5	8,481	865.9	16,529	2,440.3	14,775	6,462.8	
Rhode Island	100	161.4	163	124.0	483	301.6	390	294.7	515	325.4	587	367.1	480	415.1	465	690.9	1,006	1,811.4	988	3,932.7	
South Carolina	588	207.4	1,171	206.4	2,539	414.9	2,518	442.9	2,848	465.2	2,907	468.4	2,383	473.0	2,367	791.0	3,556	1,917.7	2,708	3,941.8	
Tennessee	822	207.1	1,305	160.4	4,410	536.7	4,057	499.0	4,768	547.9	4,845	556.1	3,968	598.7	4,275	1,042.5	6,247	2,495.6	4,886	5,149.3	
Utah	386	151.1	579	134.0	1,720	356.1	1,381	342.1	1,217	378.3	1,299	436.9	1,044	518.5	871	745.1	1,445	1,882.9	1,173	4,393.6	
Vermont	48	147.7	115	156.2	383	428.9	245	342.6	322	355.8	353	338.3	313	395.3	285	669.5	536	1,868.5	527	4,498.9	
Virginia	758	148.9	1,184	120.7	4,158	390.9	3,434	327.8	3,937	334.1	4,217	369.7	3,424	410.4	3,604	759.0	6,164	2,049.3	5,255	4,686.6	
Washington	637	154.5	1,186	138.1	3,524	382.6	2,899	342.0	3,362	356.7	3,883	401.6	3,089	441.4	2,634	710.9	4,467	1,807.5	4,270	3,917.7	
Wisconsin	735	208.7	1,137	156.4	3,466	426.6	2,680	377.8	3,265	401.3	3,726	432.6	2,976	493.5	2,942	817.6	5,407	2,088.3	5,294	4,717.1	
<b>United States</b>	<b>48,366</b>	<b>236.5</b>	<b>75,337</b>	<b>187.1</b>	<b>217,019</b>	<b>513.4</b>	<b>191,837</b>	<b>477.4</b>	<b>202,020</b>	<b>463.8</b>	<b>228,284</b>	<b>528.1</b>	<b>175,919</b>	<b>557.5</b>	<b>174,913</b>	<b>925.0</b>	<b>294,642</b>	<b>2,256.6</b>	<b>259,162</b>	<b>4,902.8</b>	

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## **DROWNING INDICATORS**

- 2a.** Unintentional Drowning Fatalities (Overall), 2006
- 2b.** Unintentional Drowning Fatalities by Sex, 2006
- 2c.** Unintentional Drowning Fatalities by Age, 2006
- 2d.** Drowning-related Hospitalizations (Overall), 2006
- 2e.** Drowning-related Hospitalizations by Sex, 2006
- 2f.** Drowning-related Hospitalizations by Age, 2006

## DROWNING INDICATORS

For 2006, the individual state rates of unintentional drowning fatalities ranged from too few cases to report (Montana, Nebraska, Rhode Island, and Vermont) to 2.4 (Florida) per 100,000 persons (**Figure 2a**). The second highest rate of fatalities occurred in Hawaii (2.2 per 100,000 persons), followed by Louisiana and Oregon (both 2.1 per 100,000 persons). The national rate for unintentional drowning fatalities was 1.3 per 100,000 persons. This figure did not change from the 2005 national rate.

The sex-specific state rates of unintentional drowning fatalities ranged from too few cases to report to 4.1 (Hawaii) among males and from too few cases to report to 1.0 (Washington) among females (**Figure 2b**). The national rate for unintentional drowning fatalities was 2.1 per 100,000 persons among males and 0.5 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, the unintentional drowning fatality rates were similar in all age ranges (**Figure 2c**).

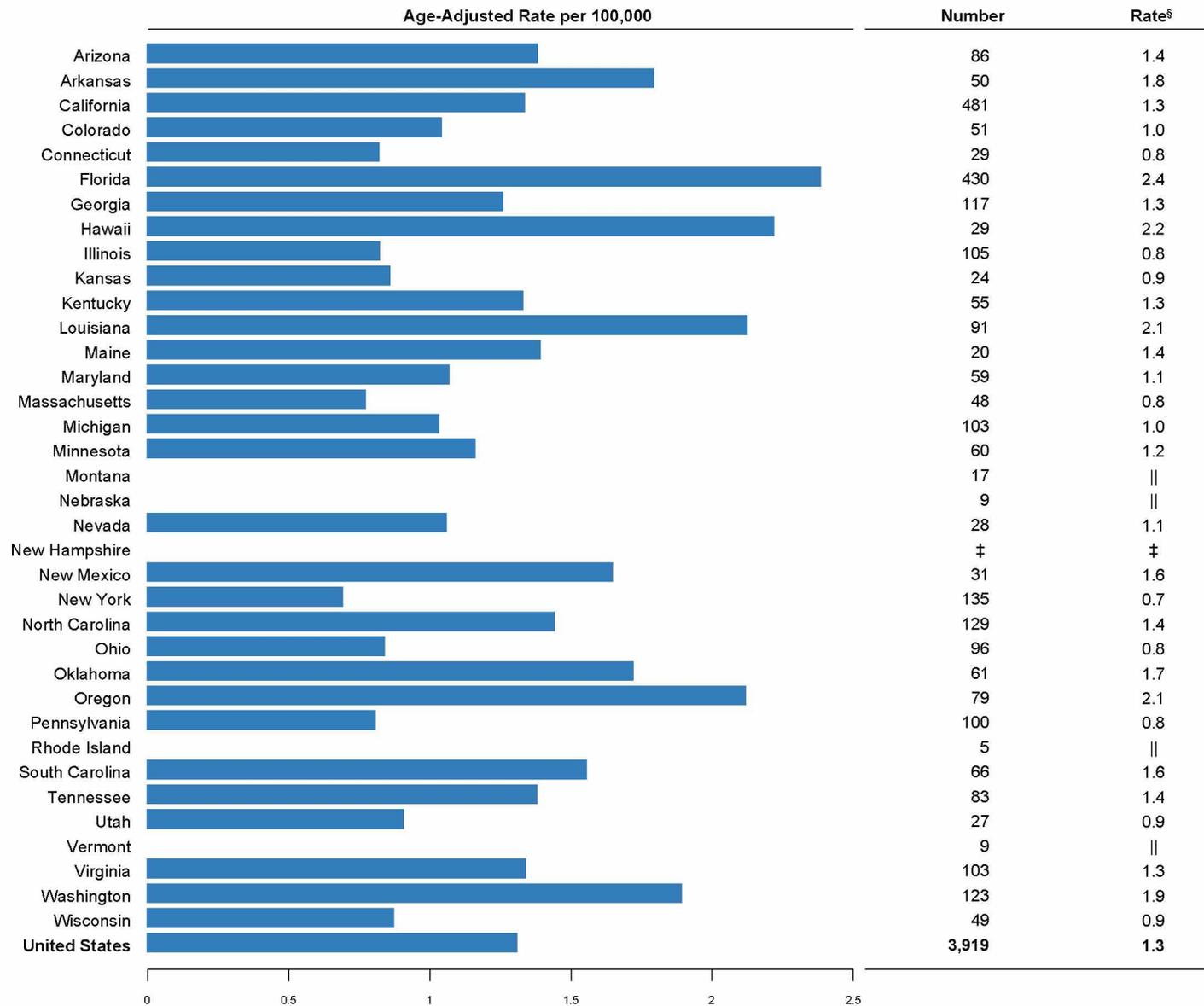
The individual state rates of unintentional drowning hospitalizations ranged from too few cases to report (Arkansas, Connecticut, Kentucky, Maine, Nebraska, Nevada, New Hampshire, New Mexico, Rhode Island, and Vermont) to 3.1 (Hawaii) per 100,000 persons (**Figure 2d**). The second highest rate of hospitalizations occurred in Florida (2.1 per 100,000 persons), followed by California and Kansas (both

with 1.3 per 100,000 persons). The national rate for unintentional drowning hospitalizations was 0.9 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 1.1 per 100,000 persons. States with the lowest rates had a range of completeness of external cause coding of 69.5% (New Mexico), 77.4% (Nevada), 78.8% (Kentucky), 92.5% (Maine), 92.7% (Connecticut), 94.9% (Nebraska), 96.4% (Arkansas), 98.2% (Vermont), 98.9% (New Hampshire), and 99.1% (Rhode Island). The state with the highest rate (Hawaii) had an external cause completeness percentage of 92.6%.

The sex-specific state rates of unintentional drowning hospitalizations ranged from too few cases to report to 3.7 (Hawaii) among males and from too few cases to report to 1.2 (Florida) among females (**Figure 2e**). The national rate for unintentional drowning hospitalizations was 1.3 per 100,000 persons among males and 0.6 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, rates varied by age. The highest unintentional drowning hospitalization rates were among people aged 0 to 14 years, ranging from too few cases to report to 6.8 per 100,000 persons (Florida) (**Figure 2f**).

**FIGURE 2A**  
**Unintentional Drowning Fatalities (Overall), 2006**



‡ No data available.

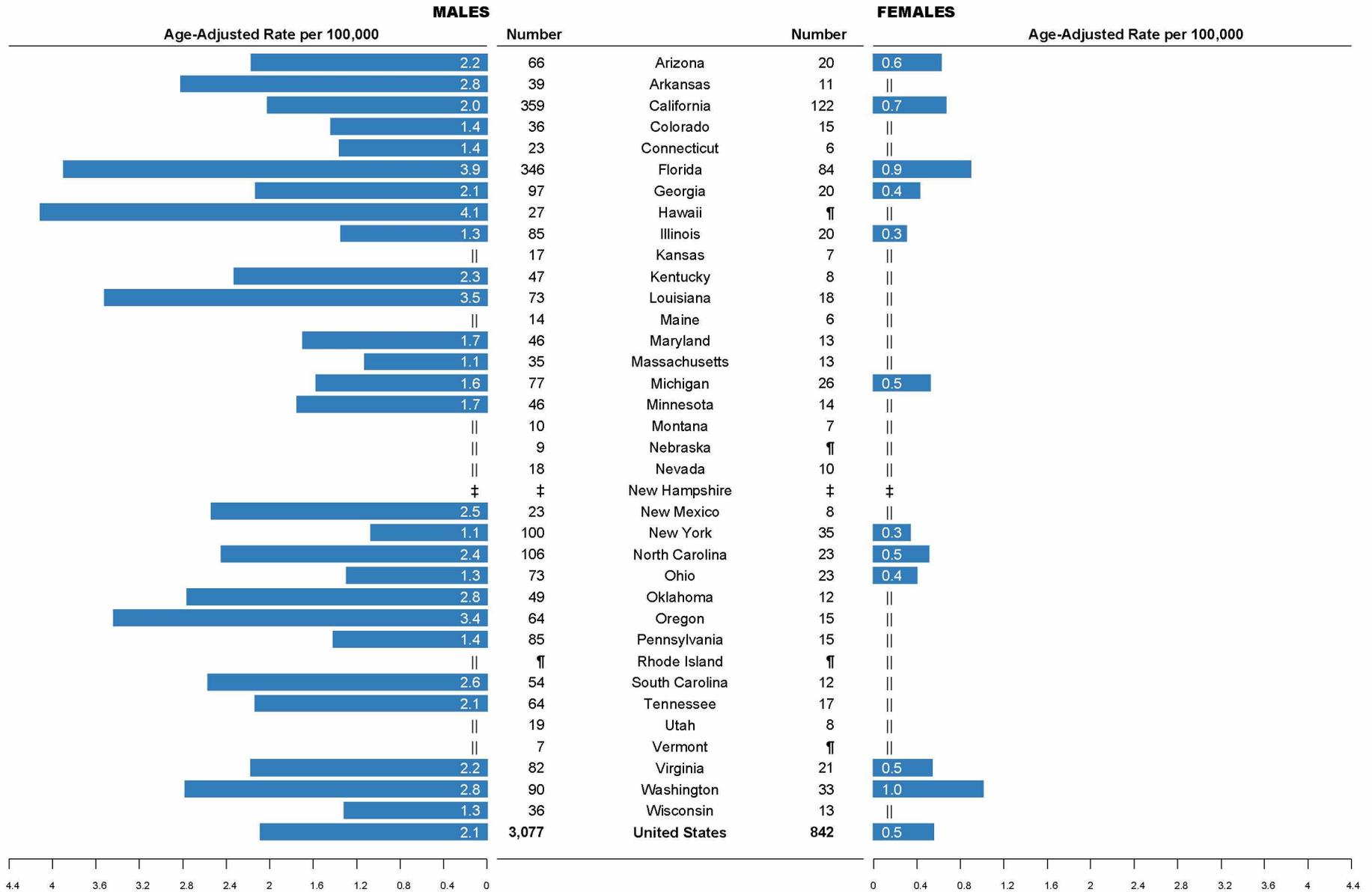
|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 2B**

**Unintentional Drowning Fatalities by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

† Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 2C**  
**Unintentional Drowning Fatalities by Age<sup>#</sup>, 2006**

State	0–14		15–44		45+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	21	1.5	40	1.5	25	1.1
Arkansas	11		26	2.3	13	
California	91	1.2	193	1.2	197	1.6
Colorado	12		25	1.2	14	
Connecticut	¶		12		13	
Florida	92	2.8	160	2.2	178	2.3
Georgia	31	1.5	47	1.1	39	1.2
Hawaii	¶		9		18	
Illinois	18		61	1.1	26	0.6
Kansas	5		12		7	
Kentucky	9		28	1.6	18	
Louisiana	21	2.3	45	2.5	25	1.6
Maine	¶		6		12	
Maryland	11		27	1.1	21	1.0
Massachusetts	13		19		16	
Michigan	25	1.2	40	1.0	38	1.0
Minnesota	12		31	1.4	17	
Montana	¶		5		9	
Nebraska	¶		¶		¶	
Nevada	7		12		9	
New Hampshire	‡	‡	‡	‡	‡	‡
New Mexico	7		11		13	
New York	17		60	0.7	58	0.8
North Carolina	19		54	1.4	56	1.7
Ohio	18		42	0.9	36	0.8
Oklahoma	17		26	1.8	18	
Oregon	11		35	2.3	33	2.2
Pennsylvania	14		45	0.9	41	0.8
Rhode Island	¶		¶		¶	
South Carolina	12		32	1.8	22	1.3
Tennessee	14		40	1.6	29	1.3
Utah	12		10		5	
Vermont	¶		¶		5	
Virginia	17		40	1.2	46	1.6
Washington	21	1.7	54	2.0	48	2.0
Wisconsin	11		18		20	0.9
<b>United States</b>	<b>784</b>	<b>1.3</b>	<b>1,697</b>	<b>1.3</b>	<b>1,438</b>	<b>1.3</b>

‡ No data available.

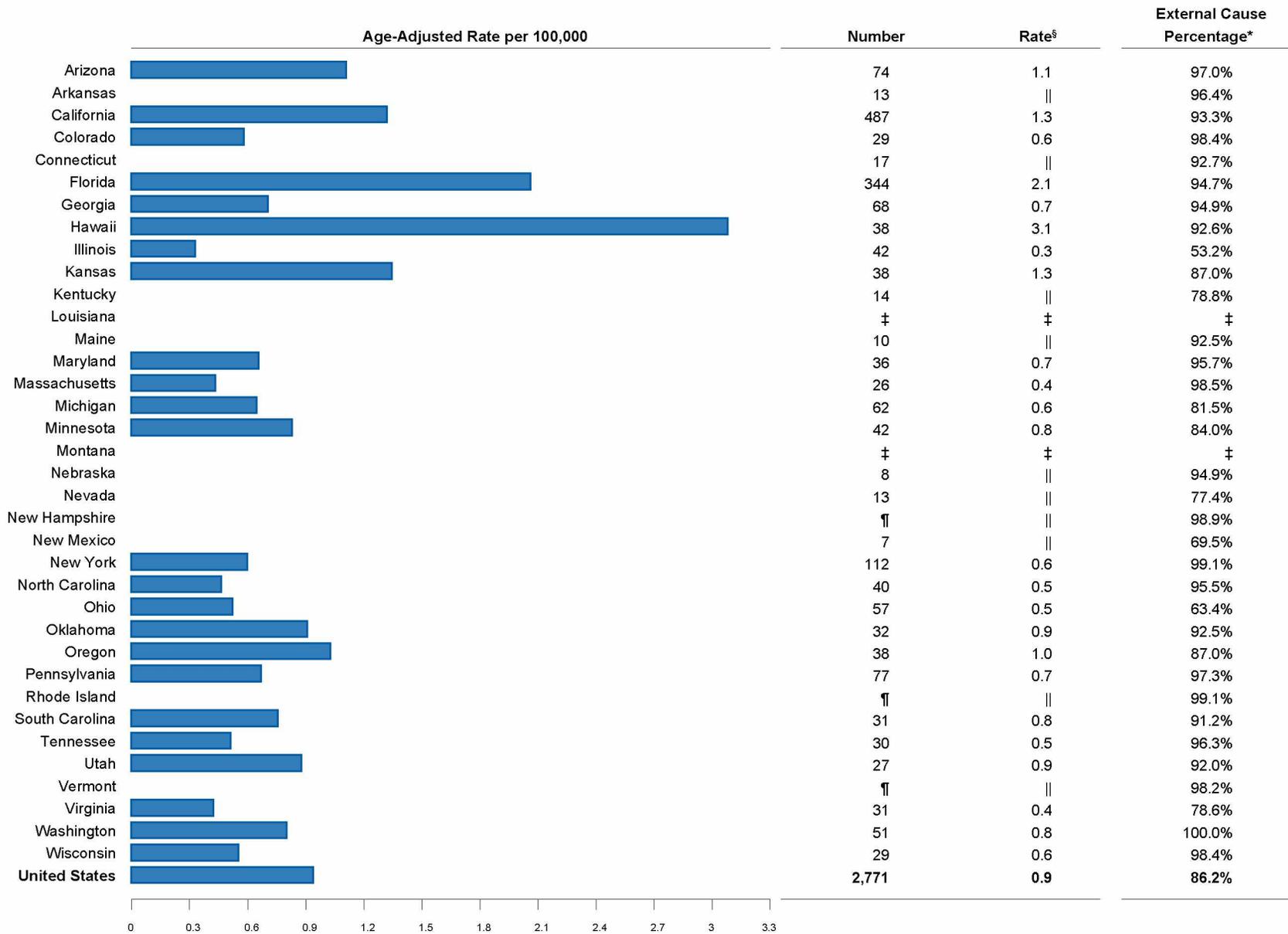
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

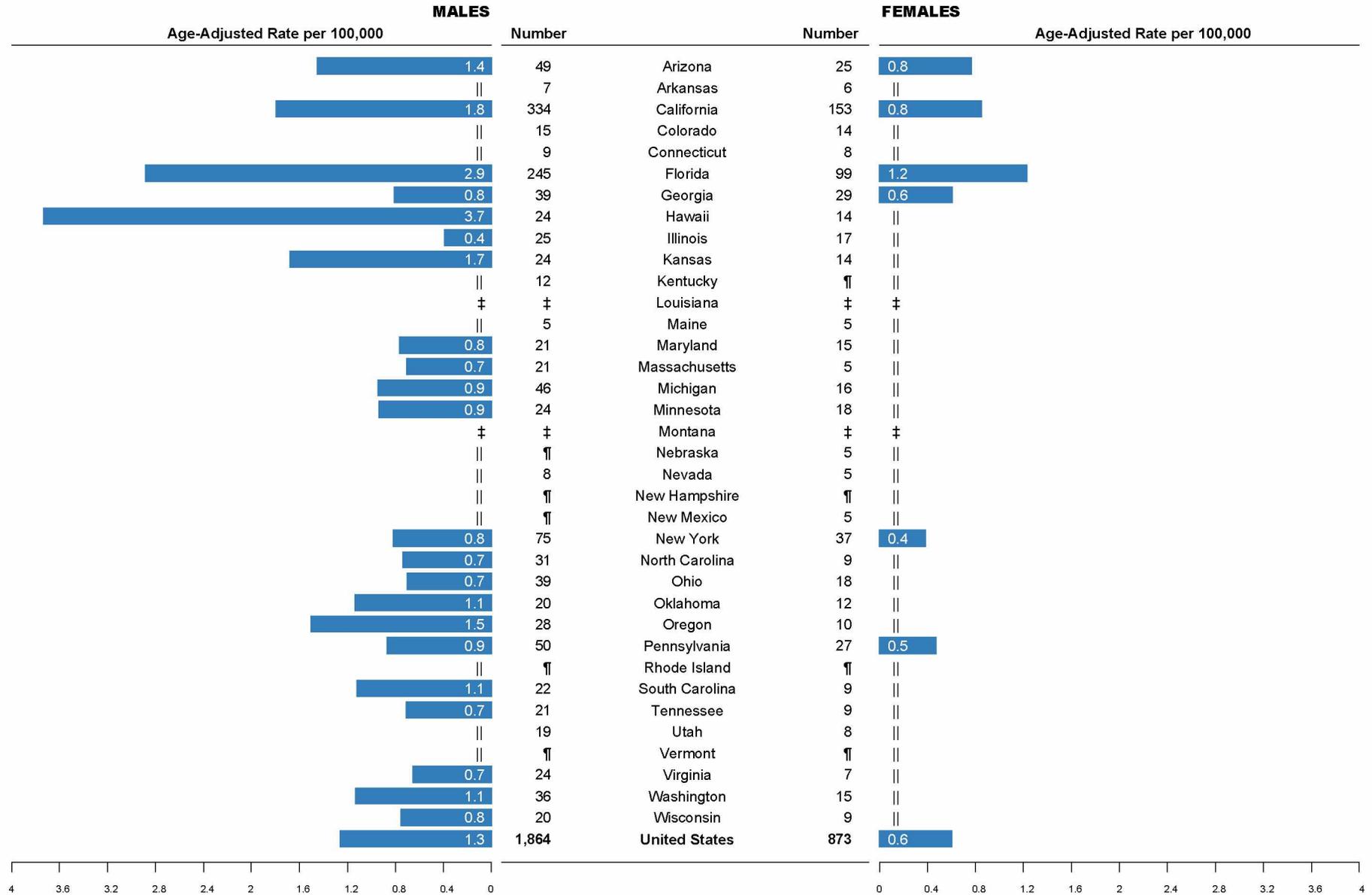
# Age in years.

**FIGURE 2D**  
**Drowning-Related Hospitalizations (Overall), 2006**



\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias. ¶ Rates are suppressed if fewer than 20 cases were reported. ¶ Case counts are suppressed if fewer than 5 cases were reported.  
 ‡ No data available.  
 § Rate per 100,000 population.

**FIGURE 2E**  
**Drowning-Related Hospitalizations by Sex, 2006**



‡ No data available.      || Rates are suppressed if fewer than 20 cases were reported.  
 § Rate per 100,000 population.      ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 2F**  
**Drowning-Related Hospitalizations by Age<sup>#</sup>, 2006**

State	0-14		15-44		45+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	55	4.0	12		7	
Arkansas	9		¶		¶	
California	315	4.1	102	0.6	70	0.6
Colorado	16		10		¶	
Connecticut	5		¶		9	
Florida	225	6.8	71	1.0	48	0.6
Georgia	42	2.1	18		8	
Hawaii	11		21	3.9	6	
Illinois	29	1.1	5		8	
Kansas	26	4.5	¶		8	
Kentucky	10		¶		¶	
Louisiana	‡	‡	‡	‡	‡	‡
Maine	¶		¶		¶	
Maryland	14		15		7	
Massachusetts	14		7		5	
Michigan	41	2.0	15		6	
Minnesota	24	2.3	13		5	
Montana	‡	‡	‡	‡	‡	‡
Nebraska	5		¶		¶	
Nevada	10		¶		¶	
New Hampshire	¶		¶		¶	
New Mexico	6		¶		¶	
New York	46	1.3	37	0.5	29	0.4
North Carolina	21	1.2	14		5	
Ohio	39	1.7	12		6	
Oklahoma	15		8		9	
Oregon	14		13		11	
Pennsylvania	43	1.9	18		16	
Rhode Island	¶		¶		¶	
South Carolina	18		6		7	
Tennessee	17		7		6	
Utah	18		6		¶	
Vermont	¶		¶		¶	
Virginia	17		9		5	
Washington	18		23	0.8	10	
Wisconsin	17		7		5	
<b>United States</b>	<b>1,582</b>	<b>2.6</b>	<b>689</b>	<b>0.5</b>	<b>500</b>	<b>0.4</b>

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## FALL INDICATORS

- 3a. Unintentional Fall-related Fatalities (Overall), 2006
- 3b. Unintentional Fall-related Fatalities by Sex, 2006
- 3c. Unintentional Fall-related Fatalities by Age, 2006
- 3d. Unintentional Fall-related Hospitalizations (Overall), 2006
- 3e. Unintentional Fall-related Hospitalizations by Sex, 2006
- 3f. Unintentional Fall-related Hospitalizations by Age, 2006
- 3g. Hip Fracture Hospitalizations in Persons Aged 65 Years or Older (Overall), 2006
- 3h. Hip Fracture Hospitalizations in Persons Aged 65 Years or Older by Sex, 2006
- 3i. Hip Fracture Hospitalizations in Persons Aged 65 Years or Older by Age, 2006
- 3j. Percentage of Adults Aged 45 Years or Older Who Have Fallen in the Past 3 Months, 2006
- 3k. Of the Adults Aged 45 Years or Older Reporting Having Fallen in the Past 3 Months, the Percentage Who Were Injured, 2006

## FALL INDICATORS

For 2006, the individual state rates of unintentional fall-related fatalities ranged from 3.9 (Louisiana) to 14.6 (New Mexico) per 100,000 persons (**Figure 3a**). The second highest rate of fatalities occurred in Wisconsin (14.0 per 100,000 persons), followed by Vermont (12.7 per 100,000 persons). The national rate for unintentional fall-related fatalities was 6.6 per 100,000 persons. This figure represents an increase from the 2005 national rate of 6.4.

The sex-specific state rates of unintentional fall-related fatalities ranged from 5.7 (Louisiana) to 16.8 (Wisconsin) among males and from 2.6 (Louisiana) to 13.1 (New Mexico) among females (**Figure 3b**). The national rate for unintentional fall-related fatalities was 8.6 per 100,000 persons among males and 5.1 per 100,000 persons among females. The state rates were always higher among males than females. Rates varied from 1.2 times higher (New Mexico and Vermont) to 2.4 times higher (Maine) among males than females.

Among the reporting states, the highest unintentional fall-related fatality rates were among people aged 45 years or older, with a range of 9.7 (Louisiana) to 40.1 (Wisconsin) per 100,000 (**Figure 3c**).

The individual state rates of unintentional fall-related hospitalizations ranged from 123.2 (Illinois) to 304.8 (Pennsylvania) per 100,000 persons (**Figure 3d**). The second highest rate of hospitalizations occurred in Colorado (295.1 per 100,000 persons), followed by Massachusetts (278.9 per 100,000 persons). The national rate for

unintentional fall-related hospitalizations was 235.2 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 239.4. The state with the lowest rate (Illinois) had an external cause completeness percentage of 53.2%. The state with the highest rate (Pennsylvania) had an external cause completeness percentage of 97.3%.

The sex-specific state rates of unintentional fall-related hospitalizations ranged from 105.4 (Illinois) to 270.2 (Pennsylvania) among males and from 130.7 (Illinois) to 318.1 (Pennsylvania) among females (**Figure 3e**). The national rate for unintentional fall-related hospitalizations was 197.4 per 100,000 persons among males and 252.5 per 100,000 persons among females. The state rates were always higher among females than males. Rates varied from 1.1 times higher (Hawaii) to 1.5 times higher (Arkansas, Kentucky, and Nebraska) among females than males.

Among the reporting states, rates varied by age. The highest unintentional fall-related hospitalization rates were among people aged 85 years or older, ranging from 1,866.4 (New Mexico) to 5,538.7 (Colorado) per 100,000 persons (**Figure 3f**). The lowest unintentional fall-related hospitalization rates were generally among people aged 15 to 24 years, ranging from 24.8 (South Carolina) to 69.6 (Colorado) per 100,000 persons.

The individual state rates of hip fracture hospitalizations in persons aged 65 years or older ranged from 494.4 (Hawaii) to 822.5 (Kansas) per 100,000 persons (**Figure 3g**). The second highest rate of hospitalizations occurred in Kentucky (799.6 per 100,000 persons), followed by Tennessee (792.6 per 100,000). The national rate for hip fracture hospitalizations in persons aged 65 years or older was 723.3 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 759.8.

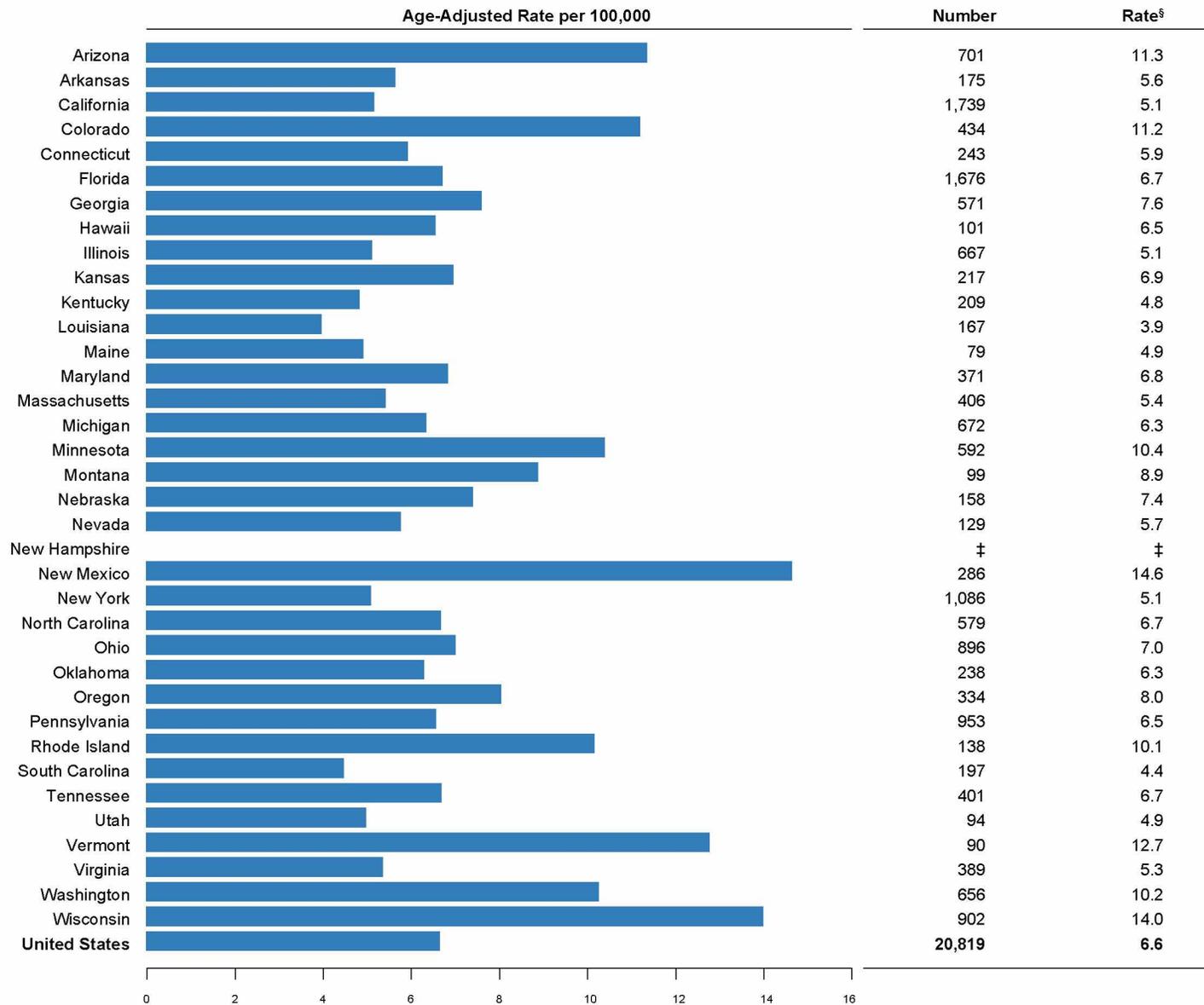
The individual state rates of hip fracture hospitalizations in persons aged 65 years or older ranged from 296.1 (Hawaii) to 508.4 (Kansas) among males and from 646.0 (Hawaii) to 1,048.9 (Kansas) among females (**Figure 3h**). The national rate for hip fracture hospitalizations in persons aged 65 years or older was 444.6 per 100,000 persons among males and 925.0 per 100,000 persons among females. The state rates were always higher among females than males. Rates varied from 1.9 times higher (Colorado, Minnesota, Utah, and Vermont) to 2.3 times higher (Georgia, Kentucky, New Hampshire, and South Carolina) among females than males.

Among the reporting states, the highest hip fracture hospitalization rates in persons aged 65 years or older were among people aged 85 years or older, ranging from 1,636.3 (Hawaii) to 2,788.8 (Colorado) per 100,000 persons (**Figure 3i**).

Based on data from the Behavioral Risk Factor Surveillance System, the percentage of adults aged 45 years or older who reported having fallen in the past 3 months ranged from 11.6% (Hawaii) to 20.4%

(Montana) (**Figure 3j**). Of those persons who fell, the percentage who were injured ranged from 27.3% (Vermont) to 41.0% (Rhode Island) (**Figure 3k**).

**FIGURE 3A**  
**Unintentional Fall-Related Fatalities (Overall), 2006**



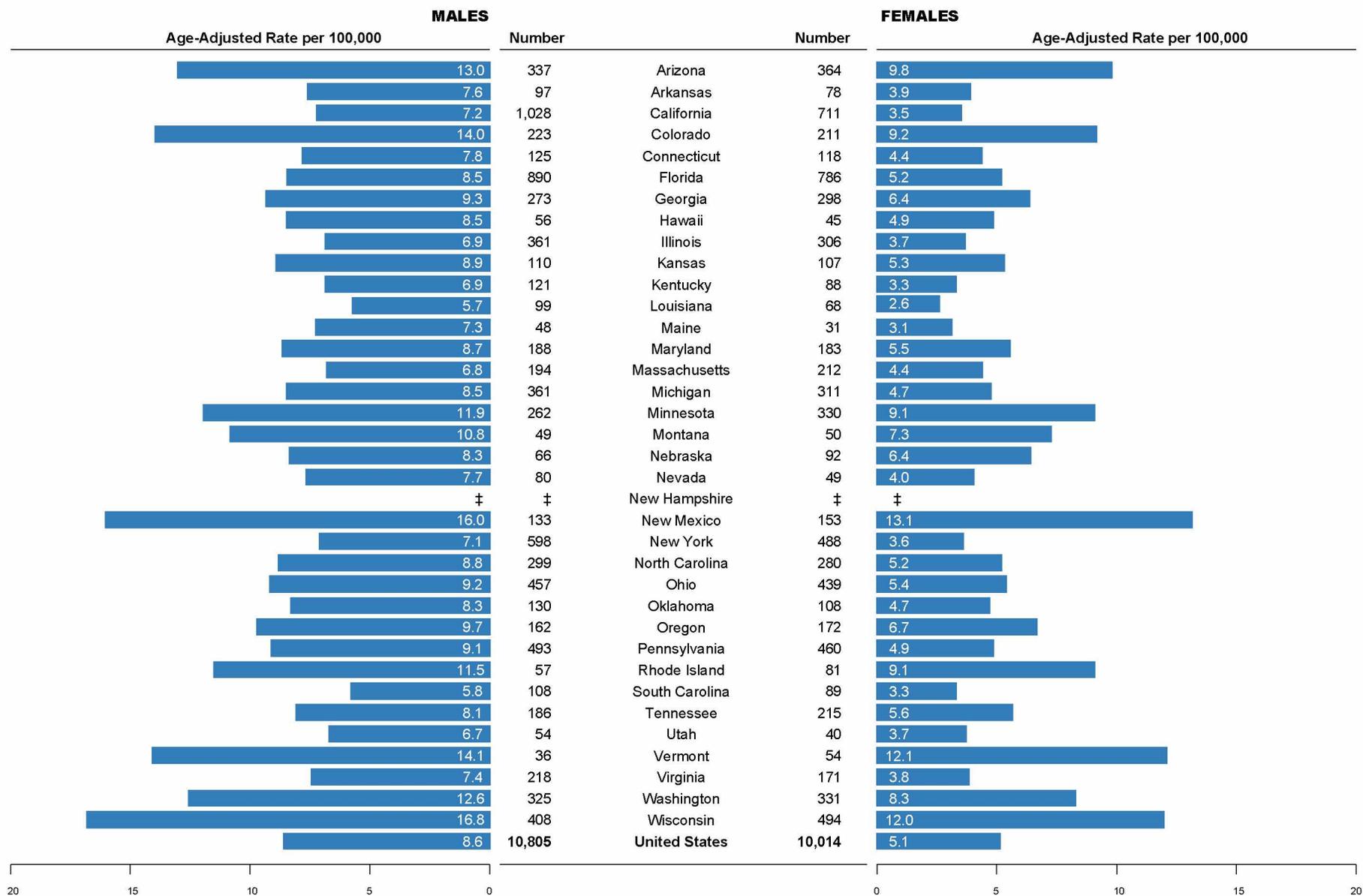
‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 3B**  
**Unintentional Fall-Related Fatalities by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 3C**  
**Unintentional Fall-Related Fatalities by Age<sup>#</sup>, 2006**

State	0-14		15-44		45+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	¶		35	1.3	662	30.1
Arkansas	¶		18		157	14.4
California	13		150	0.9	1,576	12.7
Colorado	8		38	1.8	388	22.8
Connecticut	¶		10		232	16.4
Florida	13		70	1.0	1,593	20.9
Georgia	5		33	0.8	533	16.9
Hawaii	¶		6		95	18.8
Illinois	7		34	0.6	626	13.4
Kansas	¶		9		206	19.7
Kentucky	¶		19		190	11.7
Louisiana	¶		11		156	9.7
Maine	¶		¶		75	13.0
Maryland	¶		22	0.9	347	16.4
Massachusetts	¶		17		388	15.3
Michigan	5		26	0.6	641	16.4
Minnesota	¶		27	1.2	564	28.9
Montana	¶		7		91	22.8
Nebraska	¶		8		150	22.3
Nevada	¶		19		107	11.6
New Hampshire	‡	‡	‡	‡	‡	‡
New Mexico	¶		12		274	37.8
New York	5		62	0.8	1,019	13.7
North Carolina	¶		44	1.2	533	16.1
Ohio	6		37	0.8	853	18.8
Oklahoma	¶		21	1.4	215	15.8
Oregon	¶		8		325	22.1
Pennsylvania	5		47	0.9	901	17.6
Rhode Island	¶		¶		134	31.6
South Carolina	¶		16		179	10.7
Tennessee	¶		24	1.0	375	16.4
Utah	¶		11		81	11.3
Vermont	¶		¶		87	32.6
Virginia	¶		33	1.0	354	12.4
Washington	¶		31	1.1	624	26.1
Wisconsin	¶		21	0.9	880	40.1
<b>United States</b>	<b>99</b>	<b>0.2</b>	<b>1,188</b>	<b>0.9</b>	<b>19,532</b>	<b>17.4</b>

‡ No data available.

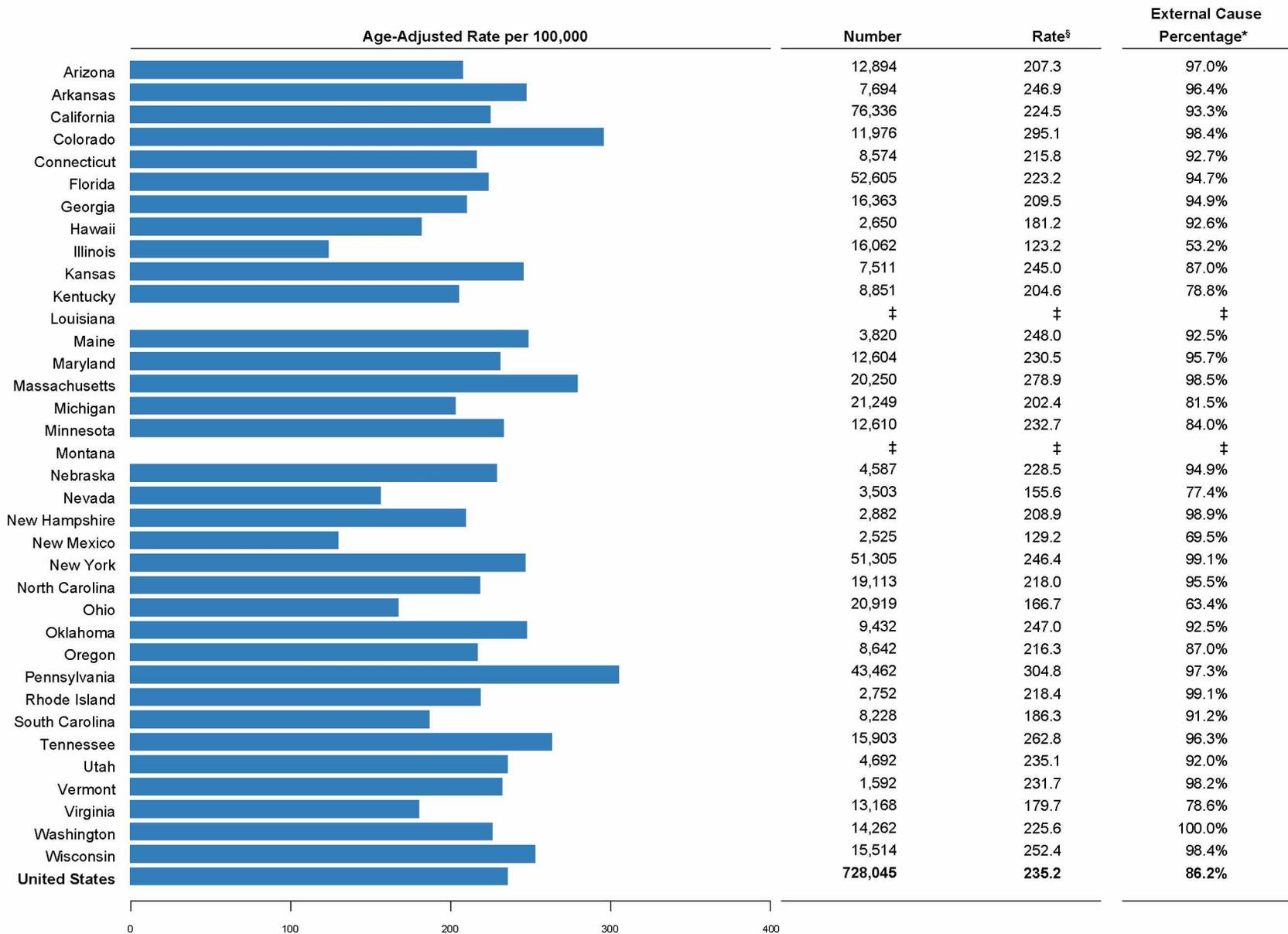
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

**FIGURE 3D**  
**Unintentional Fall-Related Hospitalizations (Overall), 2006**

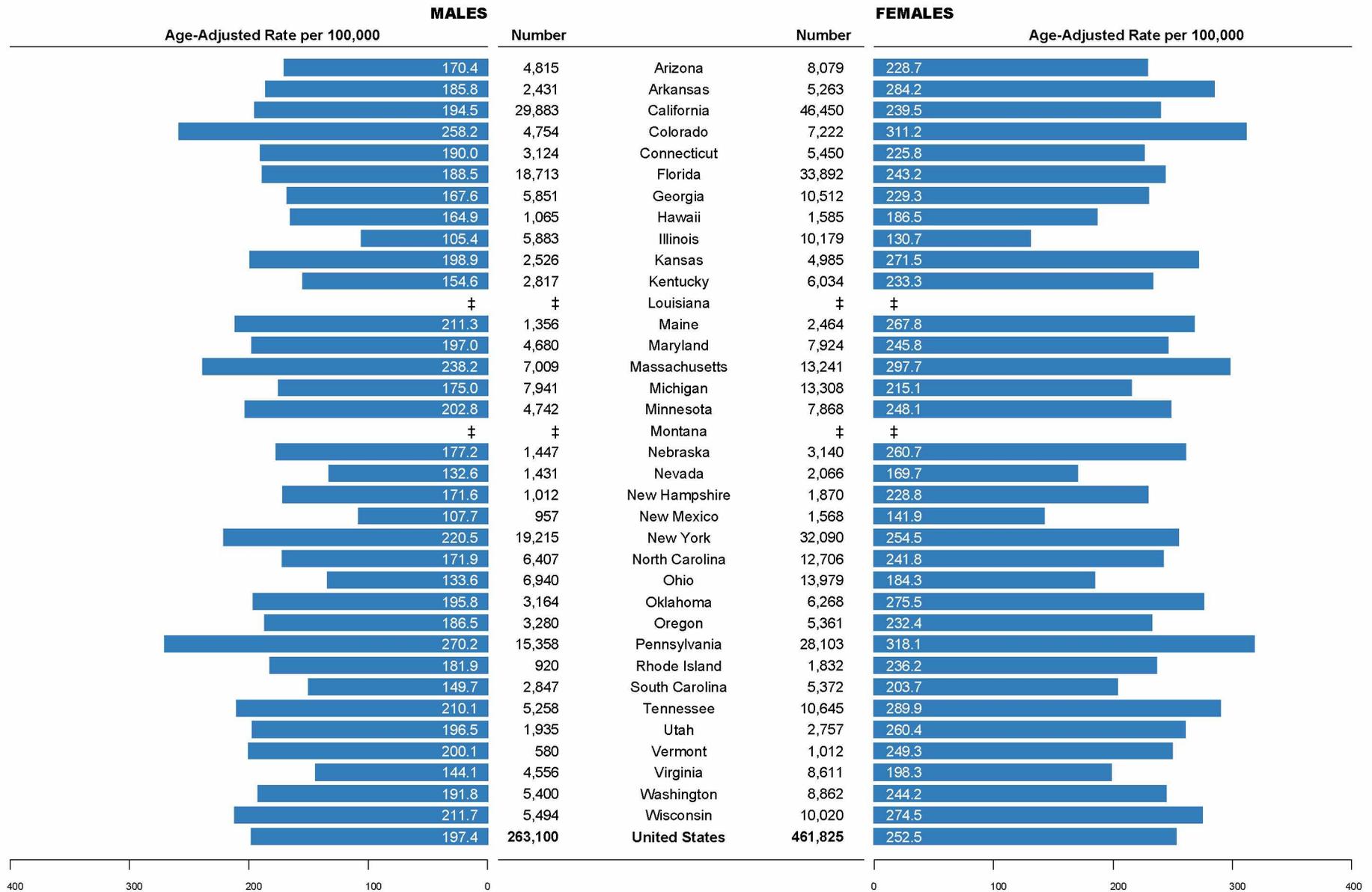


\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 † Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 3E**

**Unintentional Fall-Related Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 3F**  
**Unintentional Fall-Related Hospitalizations by Age<sup>#</sup>, 2006**

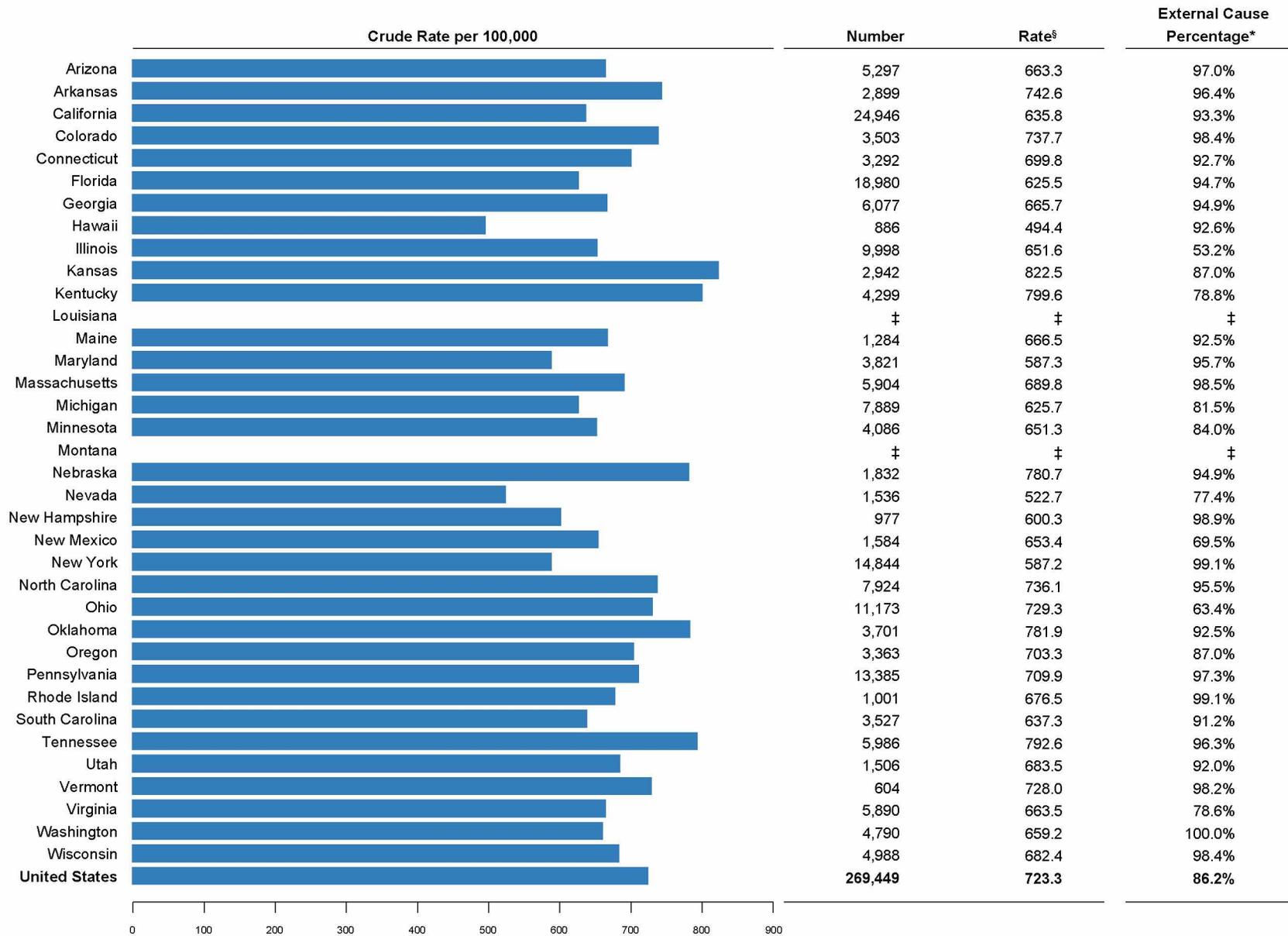
State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>															
Arizona	305	63.2	465	51.2	370	41.8	413	45.9	557	64.6	928	117.4	1,193	195.0	1,772	409.7	3,700	1,369.5	3,191	3,327.6	
Arkansas	65	33.1	121	32.0	141	36.7	175	46.5	311	81.7	533	137.9	749	237.7	1,206	595.0	2,270	1,708.4	2,123	3,872.5	
California	2,126	81.0	3,434	66.9	2,656	49.0	2,654	51.0	3,542	64.6	5,671	113.0	7,263	211.4	9,435	472.2	19,957	1,455.1	19,598	3,537.3	
Colorado	117	33.3	275	42.2	499	69.6	464	71.1	600	81.7	1,118	152.8	1,254	251.6	1,574	606.7	3,080	1,909.4	2,995	5,538.7	
Connecticut	173	85.3	283	61.1	233	49.3	221	54.1	391	71.6	667	121.3	812	207.0	977	434.4	2,280	1,347.9	2,537	3,320.9	
Florida	832	73.6	1,216	55.7	1,045	45.5	1,260	55.7	1,849	71.9	3,235	127.8	4,400	214.8	6,936	479.4	16,056	1,429.3	15,776	3,401.1	
Georgia	286	40.7	394	29.5	436	32.7	534	38.8	799	54.9	1,269	96.5	1,791	191.6	2,419	479.6	4,544	1,539.5	3,891	3,432.4	
Hawaii	48	58.9	105	69.1	102	57.6	88	48.5	105	58.1	192	104.9	213	148.1	284	333.2	724	1,077.2	789	2,947.7	
Illinois	315	35.5	425	24.0	460	25.0	531	29.6	798	42.7	1,313	71.2	1,639	126.4	1,977	256.7	4,256	792.4	4,348	1,914.6	
Kansas	110	56.7	141	37.1	154	37.1	164	46.2	244	65.0	470	116.6	627	220.6	947	552.4	2,248	1,773.6	2,406	4,042.5	
Kentucky	83	29.9	194	35.2	162	29.3	225	38.5	364	59.9	694	112.0	855	180.8	1,408	491.0	2,626	1,442.7	2,240	3,251.4	
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	56	79.7	85	54.9	77	44.9	95	62.7	172	88.0	309	141.9	375	223.8	497	506.1	1,064	1,578.1	1,090	4,035.2	
Maryland	205	55.7	337	45.3	380	48.7	426	58.2	741	85.0	1,060	123.5	1,281	210.0	1,560	456.4	3,409	1,529.0	3,205	3,736.9	
Massachusetts	341	87.9	492	61.6	408	45.6	471	56.8	834	84.0	1,461	150.3	1,872	265.5	2,447	597.3	5,751	1,859.6	6,173	4,505.1	
Michigan	374	58.6	573	41.5	591	41.0	595	46.7	1,002	68.5	1,841	120.3	2,217	200.2	2,752	430.3	5,772	1,292.4	5,532	3,165.5	
Minnesota	236	68.4	381	55.6	372	49.8	342	50.6	676	89.0	1,058	133.7	1,260	235.2	1,532	494.3	3,164	1,466.0	3,589	3,531.3	
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	32	25.1	67	28.0	78	29.2	83	36.6	133	56.5	253	98.8	398	219.4	608	541.6	1,400	1,681.5	1,535	3,923.0	
Nevada	81	43.2	95	26.2	114	30.2	130	33.9	182	46.8	313	87.5	399	146.5	580	336.5	921	953.5	688	2,763.5	
New Hampshire	14		59	35.1	68	38.6	57	37.4	139	67.4	217	100.1	295	192.6	398	478.3	786	1,395.6	849	3,657.1	
New Mexico	68	48.1	115	42.8	81	27.7	64	25.0	152	58.8	212	77.3	237	113.6	333	260.3	673	812.1	590	1,866.4	
New York	1,241	103.6	1,786	72.9	1,470	53.2	1,601	63.4	2,442	84.1	3,937	139.3	4,867	233.0	6,257	494.3	13,554	1,524.7	14,150	3,793.0	
North Carolina	230	37.2	415	35.2	400	32.9	505	41.6	792	59.8	1,368	108.1	1,984	203.3	2,981	519.1	5,604	1,529.1	4,834	3,563.2	
Ohio	360	49.0	528	34.4	462	28.9	497	34.1	876	54.0	1,424	81.9	1,891	150.1	2,785	363.3	6,161	1,123.4	5,935	2,735.1	
Oklahoma	220	86.6	255	53.0	202	38.3	207	43.1	325	68.9	611	121.6	846	218.8	1,381	561.9	2,783	1,721.4	2,602	3,946.1	
Oregon	222	96.2	319	67.7	274	55.5	296	56.9	346	67.5	699	125.4	932	213.7	999	415.2	2,156	1,294.1	2,399	3,380.3	
Pennsylvania	633	86.6	1,085	68.6	1,034	57.4	1,078	73.1	1,847	106.1	3,223	177.6	3,980	282.4	5,378	549.1	12,705	1,875.7	12,499	5,467.2	
Rhode Island	38	61.3	66	50.2	48	30.0	64	48.4	110	69.5	211	132.0	245	211.9	320	475.4	803	1,445.9	847	3,371.4	
South Carolina	114	40.2	220	38.8	152	24.8	275	48.4	404	66.0	670	108.0	910	180.6	1,258	420.4	2,275	1,226.9	1,950	2,838.4	
Tennessee	210	52.9	322	39.6	314	38.2	390	48.0	698	80.2	1,206	138.4	1,682	253.8	2,527	616.2	4,586	1,832.1	3,968	4,181.8	
Utah	152	59.5	168	38.9	273	56.5	248	61.4	242	75.2	392	131.8	488	242.4	560	479.0	1,153	1,502.4	1,016	3,805.5	
Vermont	14		36	48.9	53	59.3	38	53.1	61	67.4	105	100.6	164	207.1	203	476.9	442	1,540.8	476	4,063.5	
Virginia	198	38.9	312	31.8	338	31.8	368	35.1	575	48.8	951	83.4	1,300	155.8	1,836	386.6	3,768	1,252.7	3,522	3,141.0	
Washington	196	47.5	400	46.6	488	53.0	473	55.8	722	76.6	1,224	126.6	1,537	219.6	1,781	480.7	3,666	1,483.4	3,775	3,463.6	
Wisconsin	217	61.6	392	53.9	361	44.4	386	54.4	703	86.4	1,131	131.3	1,485	246.2	1,914	531.9	4,299	1,660.3	4,626	4,121.9	
<b>United States</b>	<b>13,015</b>	<b>63.6</b>	<b>21,853</b>	<b>54.3</b>	<b>20,441</b>	<b>48.4</b>	<b>22,479</b>	<b>55.9</b>	<b>32,590</b>	<b>74.8</b>	<b>55,585</b>	<b>128.6</b>	<b>69,771</b>	<b>221.1</b>	<b>95,978</b>	<b>507.6</b>	<b>200,100</b>	<b>1,532.5</b>	<b>196,233</b>	<b>3,712.3</b>	

‡ No data available.  
§ Rate per 100,000 population.  
|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.  
# Age in years.

**FIGURE 3G**

**Hip Fracture Hospitalizations in Persons Aged 65 Years or Older (Overall), 2006**



‡ No data available.

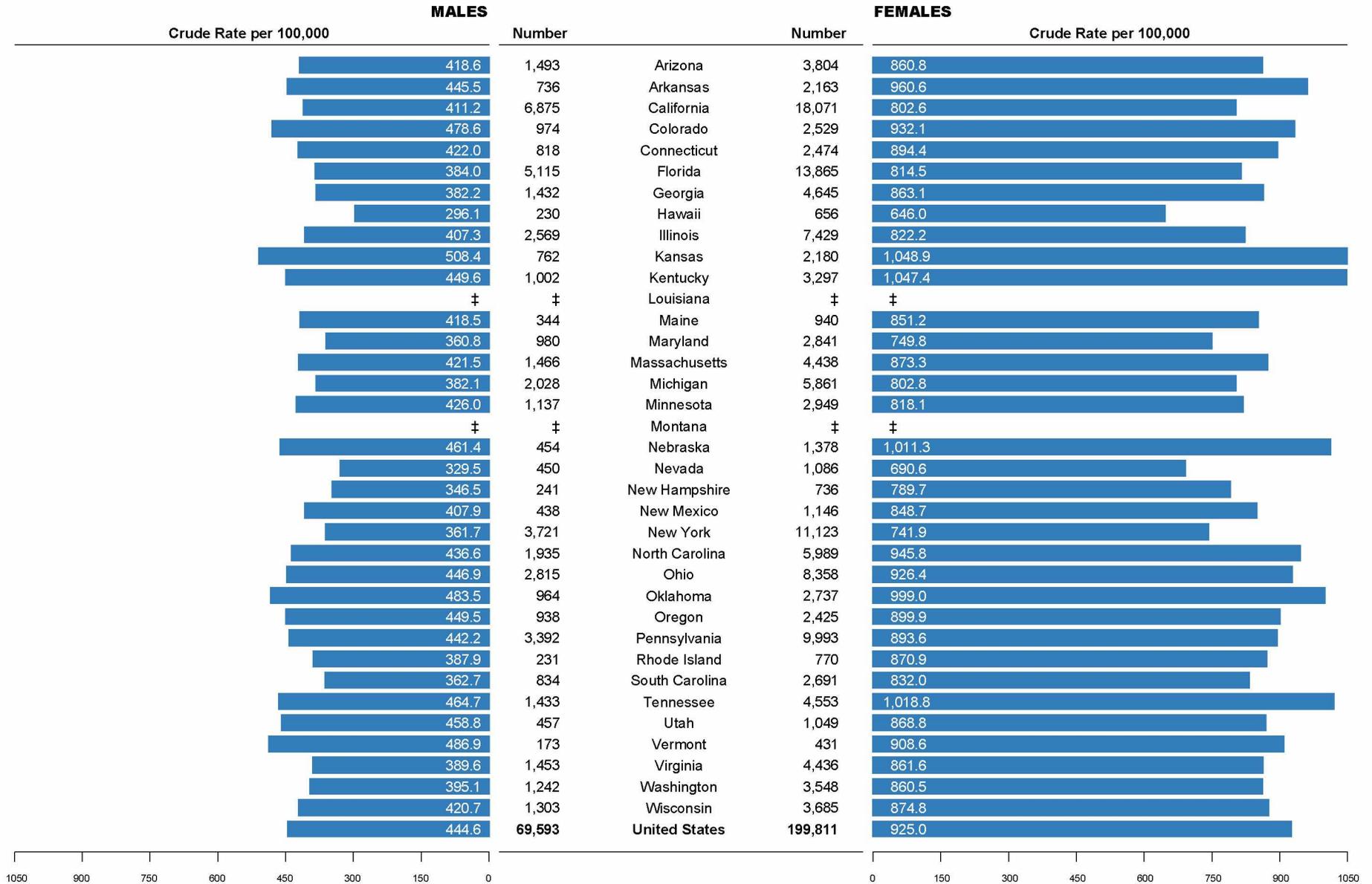
|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 3H**

**Hip Fracture Hospitalizations in Persons Aged 65 Years or Older by Sex, 2006**



‡ No data available.      || Rates are suppressed if fewer than 20 cases were reported.  
 § Rate per 100,000 population.      ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 31**  
**Hip Fracture Hospitalizations in Persons Aged 65 Years or Older by Age<sup>#</sup>, 2006**

State	65–74		75–84		85+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	883	204.2	2,289	847.3	2,125	2,215.9
Arkansas	522	257.5	1,142	859.5	1,235	2,252.7
California	3,739	187.1	10,177	742.0	11,030	1,990.8
Colorado	556	214.3	1,439	892.1	1,508	2,788.8
Connecticut	405	180.1	1,258	743.7	1,629	2,132.3
Florida	2,726	188.4	7,835	697.5	8,419	1,815.0
Georgia	1,099	217.9	2,553	864.9	2,425	2,139.2
Hawaii	103	120.8	345	513.3	438	1,636.3
Illinois	1,356	176.1	3,982	741.4	4,660	2,052.0
Kansas	351	204.7	1,158	913.6	1,433	2,407.7
Kentucky	837	291.9	1,820	999.9	1,642	2,383.4
Louisiana	‡	‡	‡	‡	‡	‡
Maine	188	191.4	497	737.2	599	2,217.5
Maryland	554	162.1	1,559	699.2	1,708	1,991.5
Massachusetts	740	180.6	2,311	747.3	2,853	2,082.1
Michigan	1,125	175.9	3,184	712.9	3,580	2,048.5
Minnesota	546	176.2	1,518	703.3	2,022	1,989.5
Montana	‡	‡	‡	‡	‡	‡
Nebraska	220	196.0	723	868.4	889	2,272.0
Nevada	318	184.5	679	703.0	539	2,165.0
New Hampshire	130	156.2	389	690.7	458	1,972.9
New Mexico	270	211.0	687	829.0	627	1,983.4
New York	1,942	153.4	5,823	655.0	7,079	1,897.6
North Carolina	1,421	247.4	3,392	925.5	3,111	2,293.2
Ohio	1,610	210.0	4,661	849.9	4,902	2,259.1
Oklahoma	618	251.5	1,521	940.8	1,562	2,368.9
Oregon	491	204.1	1,296	777.9	1,576	2,220.7
Pennsylvania	1,642	167.7	5,503	812.4	6,240	2,729.5
Rhode Island	112	166.4	395	711.2	494	1,966.3
South Carolina	628	209.9	1,451	782.5	1,448	2,107.7
Tennessee	1,075	262.2	2,497	997.5	2,414	2,544.1
Utah	237	202.7	628	818.3	641	2,400.9
Vermont	84	197.3	236	822.7	284	2,424.4
Virginia	954	200.9	2,421	804.9	2,515	2,243.0
Washington	680	183.5	1,883	761.9	2,227	2,043.3
Wisconsin	649	180.4	1,899	733.4	2,440	2,174.1
<b>United States</b>	<b>40,969</b>	<b>216.7</b>	<b>109,320</b>	<b>837.2</b>	<b>119,160</b>	<b>2,254.3</b>

‡ No data available.

§ Rate per 100,000 population.

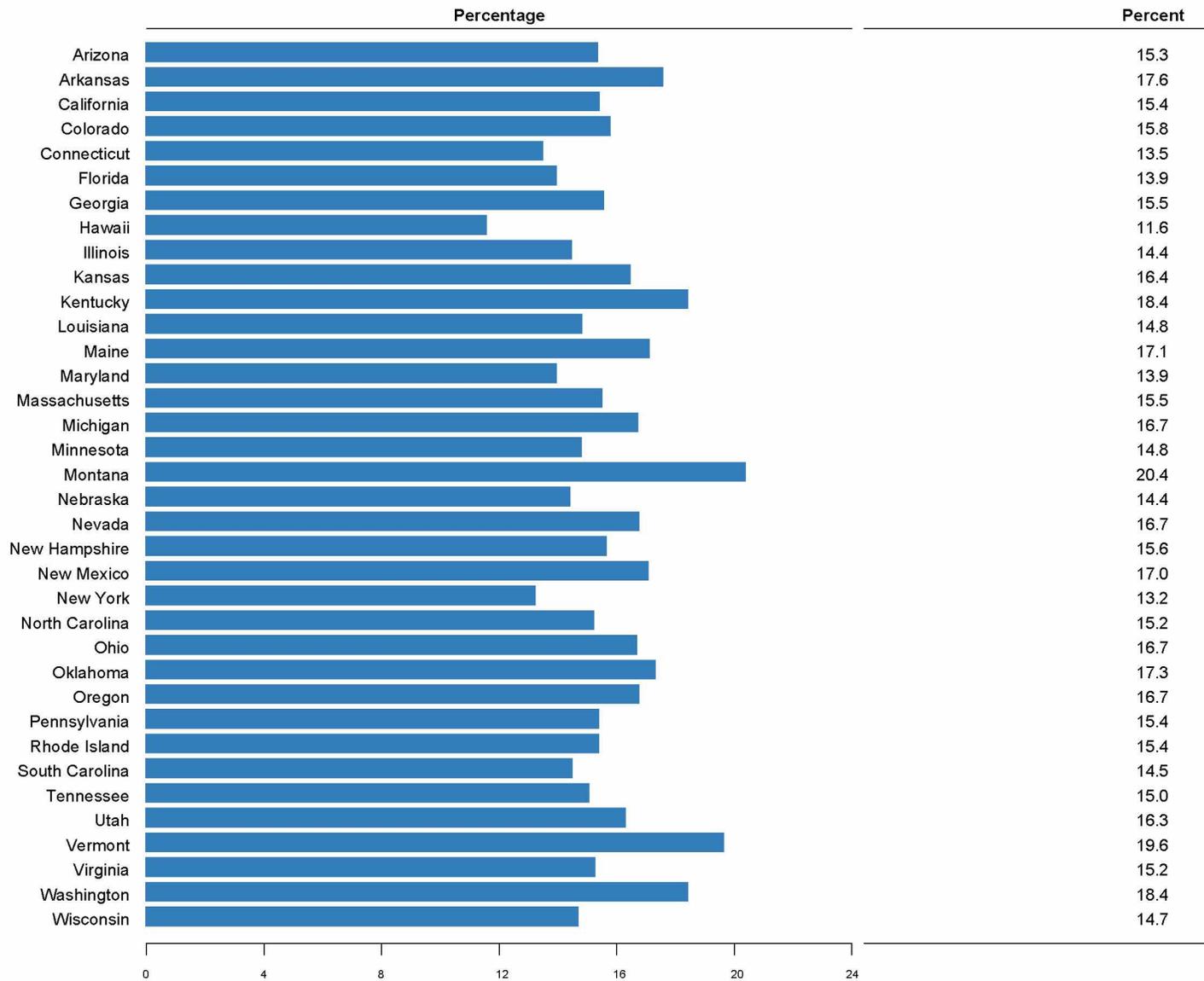
|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

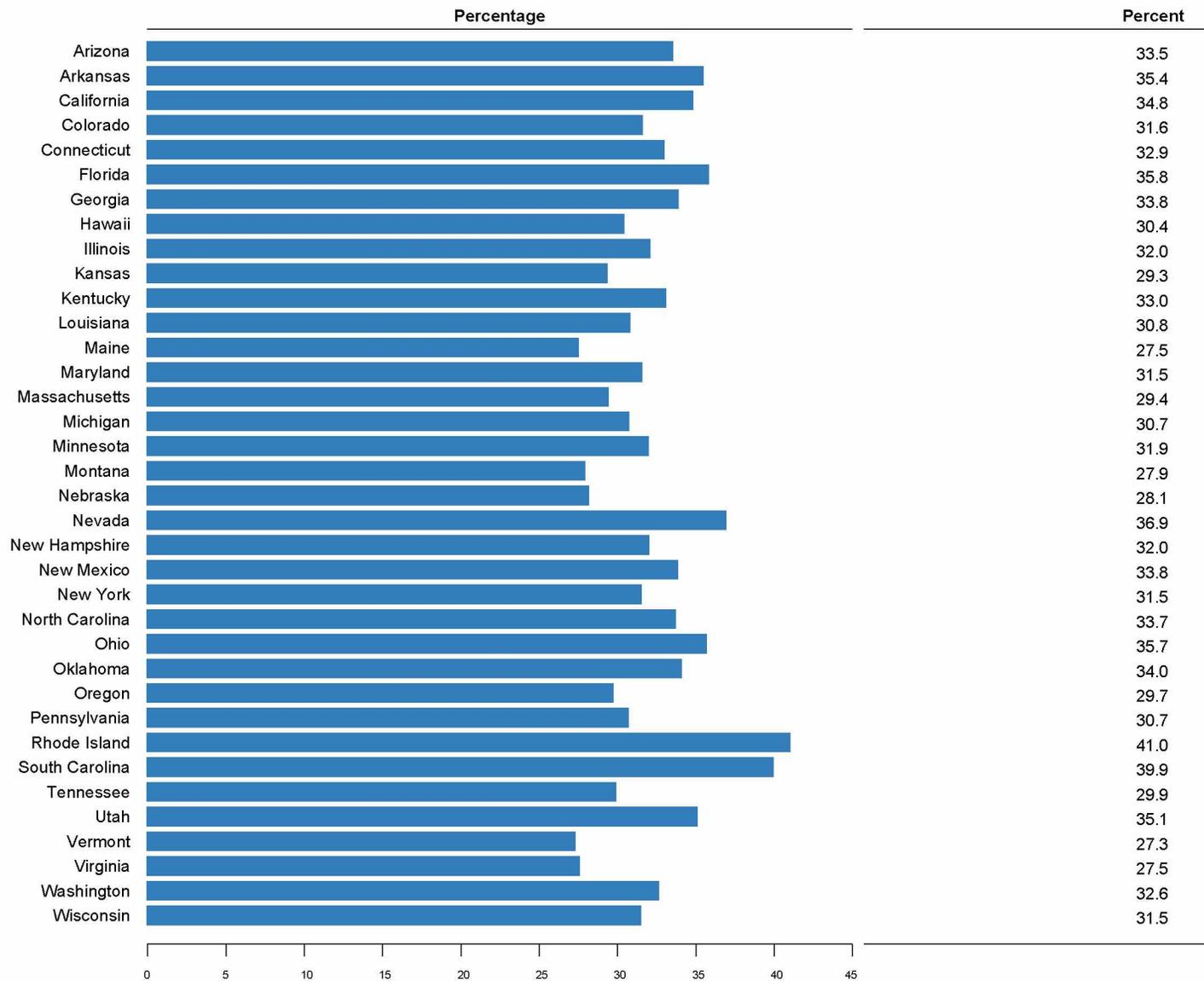
**FIGURE 3J**

**Percentage of Adults Aged 45 Years or Older Who Have Fallen in the Past 3 Months, 2006, Behavioral Risk Factor Surveillance System**



**FIGURE 3K**

**Of the Adults Aged 45 Years or Older Reporting Having Fallen in the Past 3 Months, the Percentage Who Were Injured, 2006, Behavioral Risk Factor Surveillance System**



## **FIRE-RELATED INDICATORS**

- 4a.** Unintentional Fire-related Fatalities (Overall), 2006
- 4b.** Unintentional Fire-related Fatalities by Sex, 2006
- 4c.** Unintentional Fire-related Fatalities by Age, 2006
- 4d.** Unintentional Fire-related Hospitalizations (Overall), 2006
- 4e.** Unintentional Fire-related Hospitalizations by Sex, 2006
- 4f.** Unintentional Fire-related Hospitalizations by Age, 2006

## FIRE-RELATED INDICATORS

For 2006, the individual state rates of unintentional fire-related fatalities ranged from too few cases to report (Connecticut, Hawaii, Maine, Montana, Nevada, New Mexico, Rhode Island, Utah, and Vermont) to 2.2 (South Carolina and Tennessee) per 100,000 persons (**Figure 4a**). The second highest rate of fatalities occurred in Arkansas (2.0 per 100,000 persons), followed by Louisiana and Oklahoma (1.7 per 100,000 persons). The national rate for unintentional fire-related fatalities was 1.0 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 1.1.

The sex-specific state rates of unintentional fire-related fatalities ranged from too few cases to report to 2.8 (Tennessee) among males and from too few cases to report to 2.1 (Arkansas) among females (**Figure 4b**). The national rate for unintentional fire-related fatalities was 1.3 per 100,000 persons among males and 0.8 per 100,000 persons among females. The state rates were higher among males in all reporting states except Arkansas.

Among the reporting states, rates varied by age. The highest unintentional fire-related fatality rates were among people aged 45 years or older, ranging from too few cases to report to 4.0 (Tennessee) per 100,000 persons (**Figure 4c**).

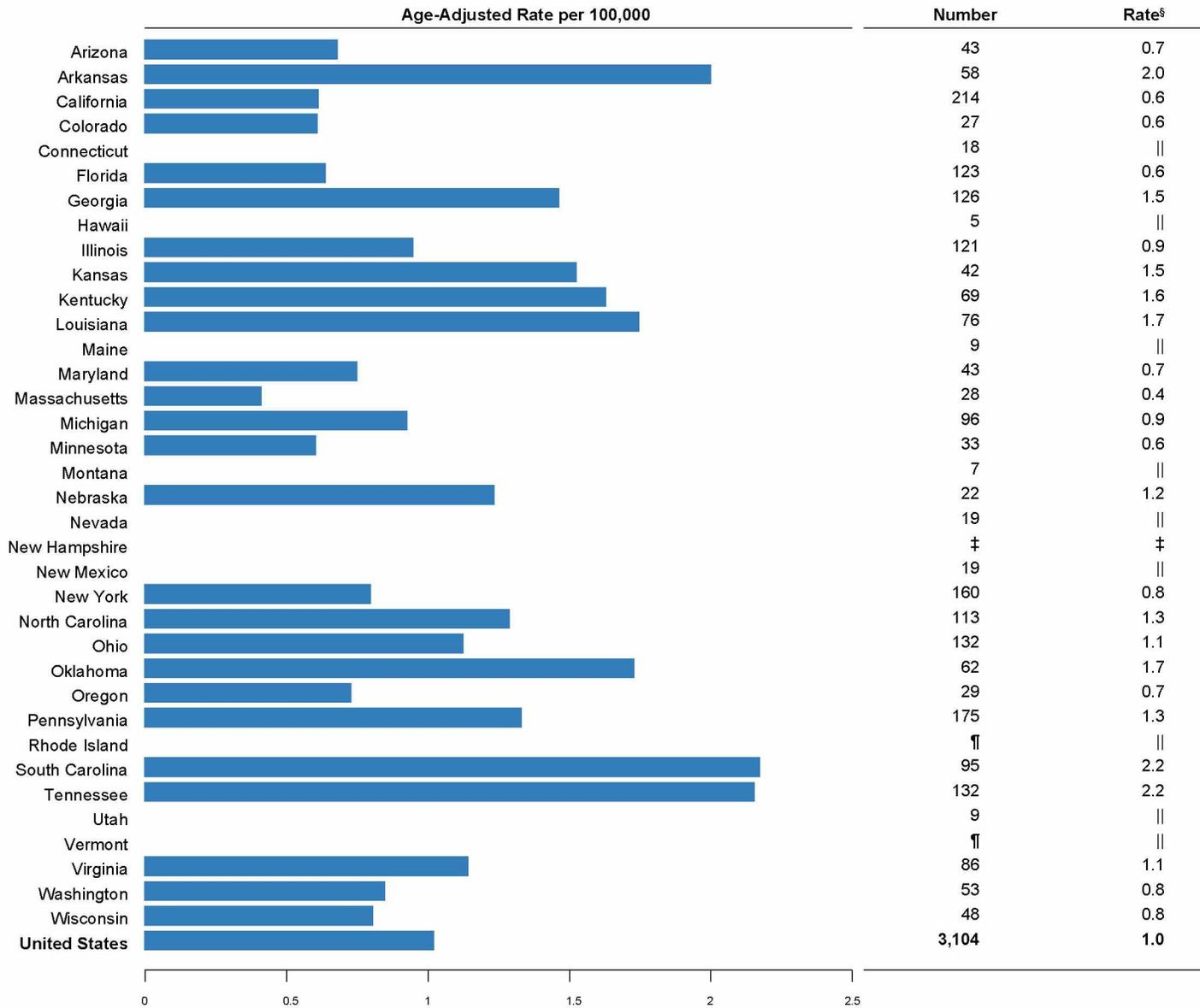
The individual state rates of unintentional fire-related hospitalizations ranged from too few cases to report (New Hampshire, Rhode Island, and Vermont) to 7.5 (Arkansas) per 100,000 persons (**Figure 4d**). The

second highest rate of hospitalizations occurred in Georgia (6.8 per 100,000 persons), followed by Tennessee (5.5 per 100,000 persons). The national rate for unintentional fire-related hospitalizations was 3.0 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 4.7. States with the lowest rate had a range of completeness of external cause coding of 98.2% (Vermont), 98.9% (New Hampshire), and 99.1% (Rhode Island). The state with the highest rate (Arkansas) had an external cause completeness percentage of 96.4%.

The sex-specific state rates of unintentional fire-related hospitalizations ranged from too few cases to report to 11.1 (Arkansas) among males and from too few cases to report to 4.0 (Arkansas) among females (**Figure 4e**). The national rate for unintentional fire-related hospitalizations was 4.3 per 100,000 persons among males and 1.7 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, rates varied by age. The highest unintentional fire-related hospitalization rates were among people aged 65 years or older, ranging from too few cases to report to 9.7 (Arkansas) per 100,000 persons (**Figure 4f**). The lowest unintentional fire-related hospitalization rates were generally among people aged 0 to 14 years, ranging from too few cases to report to 5.6 (Georgia) per 100,000 persons.

**FIGURE 4A**  
**Unintentional Fire-Related Fatalities (Overall), 2006**



‡ No data available.

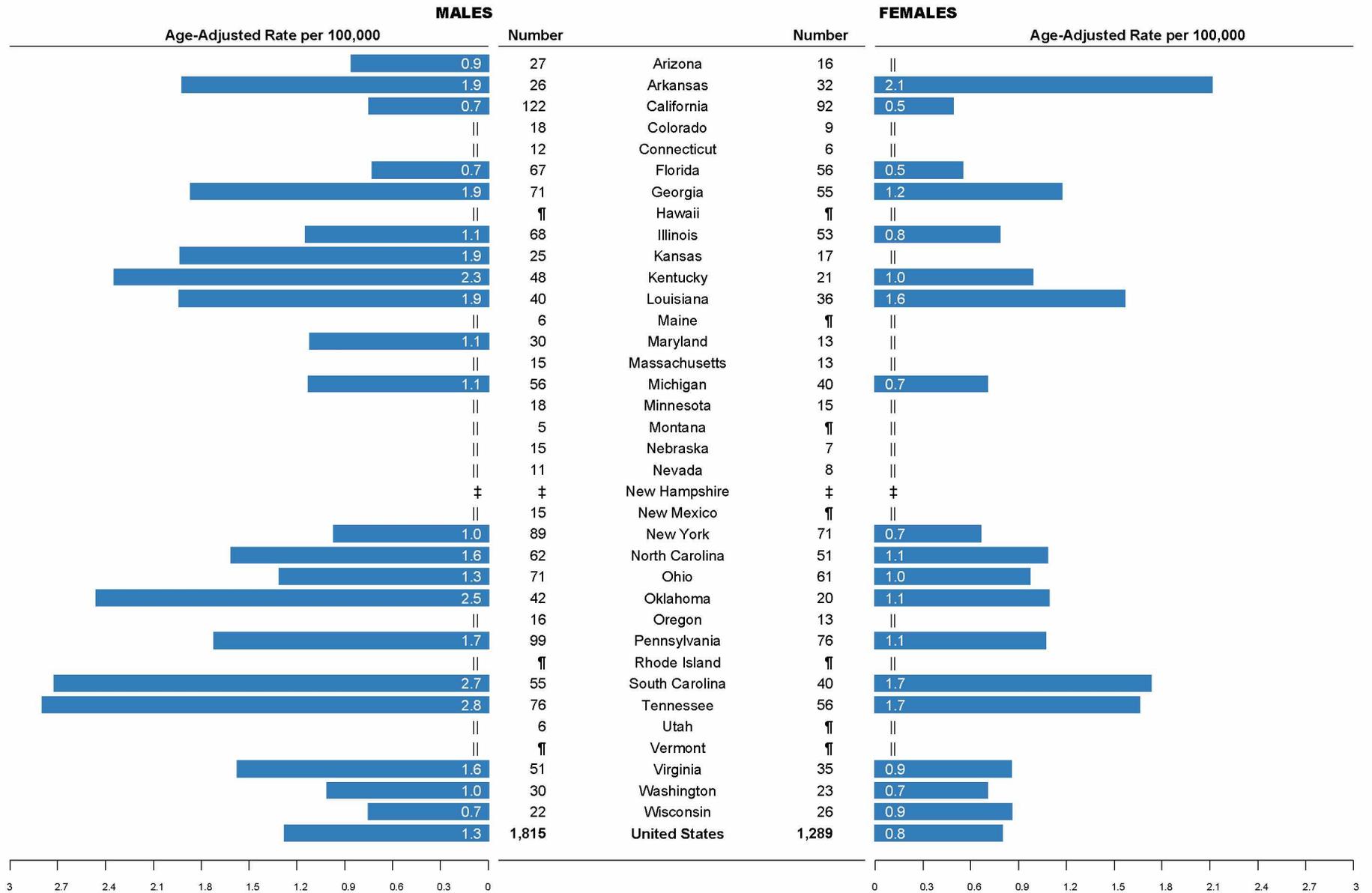
|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

‡ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 4B**

Unintentional Fire-Related Fatalities by Sex, 2006



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 4C**  
**Unintentional Fire-Related Fatalities by Age<sup>#</sup>, 2006**

State	0-14		15-44		45+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	7		10		26	1.2
Arkansas	¶		12		42	3.8
California	21	0.3	32	0.2	161	1.3
Colorado	¶		6		20	1.2
Connecticut	¶		¶		15	
Florida	19		27	0.4	77	1.0
Georgia	19		24	0.6	83	2.6
Hawaii	¶		¶		¶	
Illinois	25	0.9	24	0.4	72	1.5
Kansas	10		7		25	2.4
Kentucky	10		27	1.5	32	2.0
Louisiana	9		16		51	3.2
Maine	¶		¶		5	
Maryland	5		7		31	1.5
Massachusetts	¶		6		21	0.8
Michigan	9		22	0.5	65	1.7
Minnesota	¶		10		21	1.1
Montana	¶		¶		7	
Nebraska	6		10		6	
Nevada	¶		¶		13	
New Hampshire	‡	‡	‡	‡	‡	‡
New Mexico	¶		¶		14	
New York	17		34	0.4	109	1.5
North Carolina	15		19		79	2.4
Ohio	23	1.0	34	0.7	75	1.7
Oklahoma	16		13		33	2.4
Oregon	¶		5		20	1.4
Pennsylvania	20	0.9	45	0.9	110	2.2
Rhode Island	¶		¶		¶	
South Carolina	11		26	1.5	58	3.5
Tennessee	12		29	1.2	91	4.0
Utah	¶		¶		7	
Vermont	¶		¶		¶	
Virginia	¶		14		68	2.4
Washington	¶		10		39	1.6
Wisconsin	6		10		32	1.5
<b>United States</b>	<b>407</b>	<b>0.7</b>	<b>680</b>	<b>0.5</b>	<b>2,017</b>	<b>1.8</b>

‡ No data available.

§ Rate per 100,000 population.

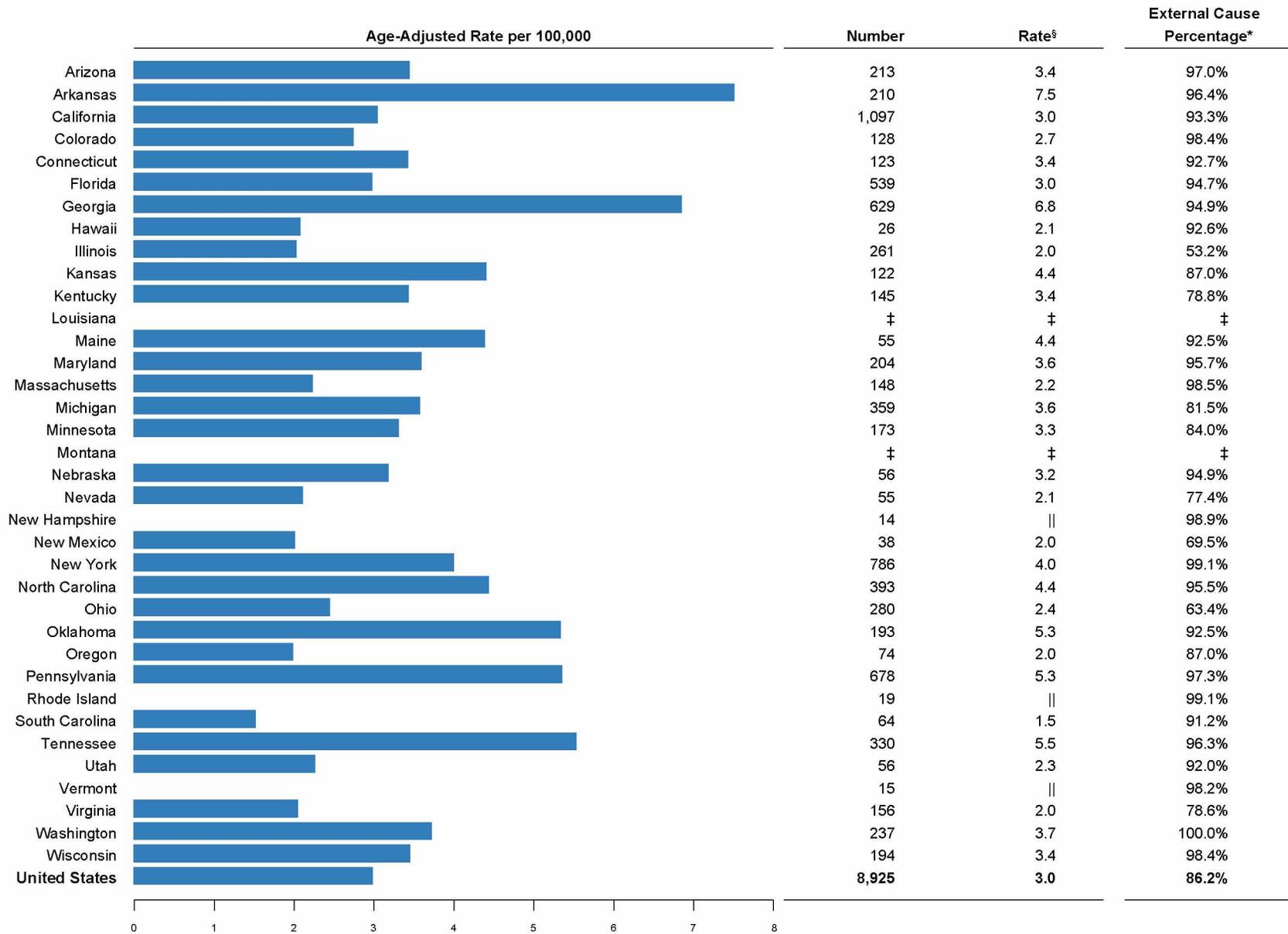
|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

**FIGURE 4D**

**Unintentional Fire-Related Hospitalizations (Overall), 2006**

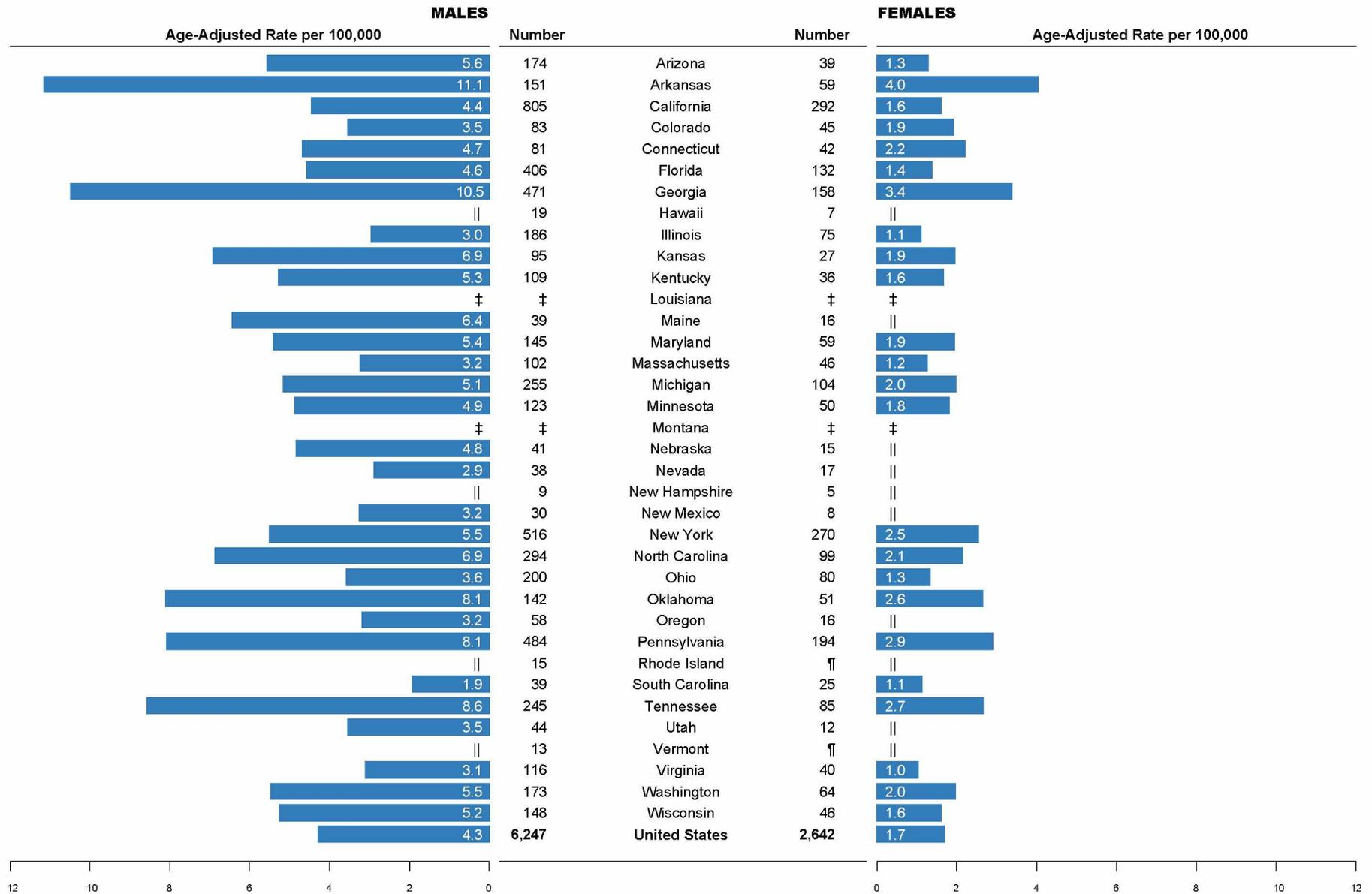


\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 4E**

**Unintentional Fire-Related Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 4F**  
**Unintentional Fire-Related Hospitalizations by Age<sup>#</sup>, 2006**

State	0-14		15-24		25-44		45-64		65+	
	N	Rate <sup>§</sup>								
Arizona	36	2.6	51	5.8	65	3.7	47	3.4	14	
Arkansas	23	4.0	38	9.9	59	7.8	52	7.4	38	9.7
California	140	1.8	192	3.5	296	2.8	325	3.8	144	3.7
Colorado	15		18		33	2.4	36	2.9	26	5.5
Connecticut	9		17		35	3.7	44	4.7	18	
Florida	71	2.1	83	3.6	148	3.1	147	3.2	90	3.0
Georgia	114	5.6	92	6.9	185	6.5	153	6.8	85	9.3
Hawaii	¶		8		7		5		¶	
Illinois	36	1.4	29	1.6	73	2.0	90	2.9	33	2.2
Kansas	23	4.0	19		33	4.5	23	3.3	24	6.7
Kentucky	15		21	3.8	50	4.2	39	3.6	20	3.7
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	7		9		23	6.6	11		5	
Maryland	13		30	3.8	63	3.9	63	4.3	35	5.4
Massachusetts	7		27	3.0	48	2.6	45	2.7	21	2.5
Michigan	72	3.6	48	3.3	101	3.7	91	3.4	47	3.7
Minnesota	25	2.4	29	3.9	40	2.8	44	3.3	35	5.6
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	7		9		15		11		14	
Nevada	9		8		12		19		7	
New Hampshire	¶		¶		¶		¶		¶	
New Mexico	8		5		13		8		¶	
New York	86	2.4	104	3.8	202	3.7	226	4.6	168	6.6
North Carolina	38	2.1	54	4.4	133	5.2	107	4.8	61	5.7
Ohio	51	2.2	48	3.0	72	2.3	64	2.1	45	2.9
Oklahoma	28	3.8	29	5.5	45	4.7	56	6.3	35	7.4
Oregon	10		8		20	1.9	22	2.2	14	
Pennsylvania	62	2.7	80	4.4	195	6.1	200	6.2	141	7.5
Rhode Island	¶		¶		10		5		¶	
South Carolina	11		¶		17		19		14	
Tennessee	34	2.8	49	6.0	100	5.9	87	5.7	60	7.9
Utah	10		10		14		16		6	
Vermont	¶		¶		7		¶		¶	
Virginia	18		27	2.5	46	2.1	38	1.9	27	3.0
Washington	26	2.0	44	4.8	75	4.2	64	3.8	28	3.9
Wisconsin	34	3.2	45	5.5	45	3.0	47	3.2	23	3.1
<b>United States</b>	<b>1,159</b>	<b>1.9</b>	<b>1,278</b>	<b>3.0</b>	<b>2,603</b>	<b>3.1</b>	<b>2,380</b>	<b>3.2</b>	<b>1,505</b>	<b>4.0</b>

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## **FIREARM-RELATED INDICATORS**

- 5a.** Firearm-related Fatalities (Overall), 2006
- 5b.** Firearm-related Fatalities by Sex, 2006
- 5c.** Firearm-related Fatalities by Age, 2006
- 5d.** Firearm-related Hospitalizations (Overall), 2006
- 5e.** Firearm-related Hospitalizations by Sex, 2006
- 5f.** Firearm-related Hospitalizations by Age, 2006

## FIREARM-RELATED INDICATORS

For 2006, the individual state rates of firearm-related fatalities ranged from 2.6 (Hawaii) to 18.3 (Louisiana) per 100,000 persons (**Figure 5a**). The second highest rate of fatalities occurred in Tennessee (15.5 per 100,000 persons), followed by Arizona (15.4 per 100,000 persons). The national rate for firearm-related fatalities was 10.2 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 10.3.

The sex-specific state rates of firearm-related fatalities ranged from 4.4 (Hawaii) to 31.9 (Louisiana) among males and from too few cases to report to 5.6 (Louisiana) among females (**Figure 5b**). The national rate for firearm-related fatalities was 18.1 per 100,000 persons among males and 2.7 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, the highest firearm-related fatality rates were generally among people aged 15 to 24 years, with a range of too few cases to report to 33.3 (Louisiana) per 100,000 persons (**Figure 5c**). The lowest firearm-related fatality rates were among people aged 0 to 14 years.

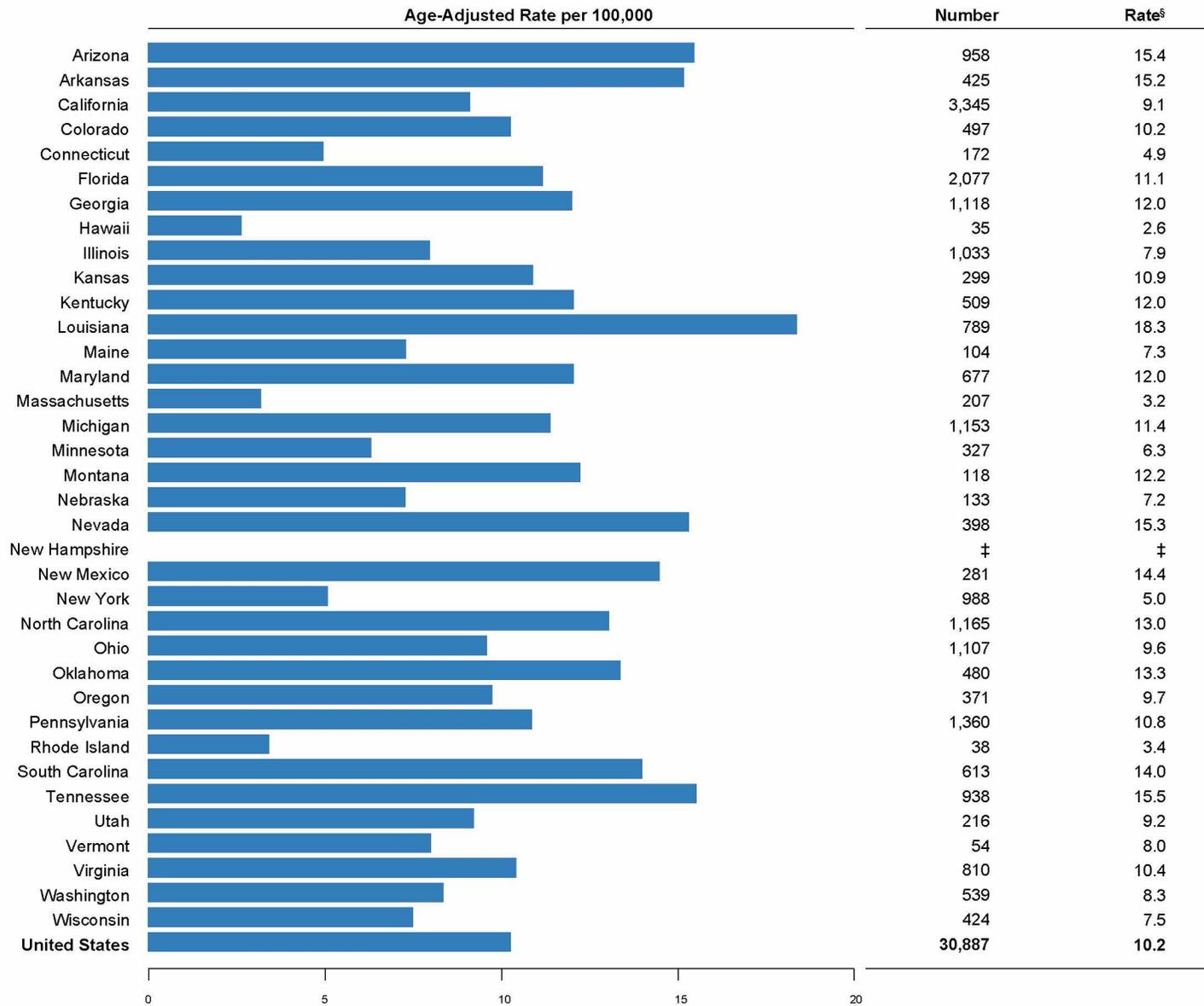
The individual state rates of firearm-related hospitalizations ranged from too few cases to report (Hawaii, New Hampshire, and Vermont) to 15.1 (Tennessee) per 100,000 persons (**Figure 5d**). The second highest rate of hospitalizations occurred in Pennsylvania (14.1 per 100,000 persons), followed by Michigan (12.7 per 100,000 persons). The national rate for firearm-related hospitalizations was 10.0 per 100,000

persons. This figure represents an increase from the 2005 national rate of 9.7. States with the lowest rate had a range of completeness of external cause coding of 92.6% (Hawaii), 98.2% (Vermont), and 98.9% (New Hampshire), and the state with the highest rate (Tennessee) had an external cause completeness percentage of 96.3%.

The sex-specific state rates of firearm-related hospitalizations ranged from too few cases to report to 26.7 (Tennessee) among males and from too few cases to report to 3.5 (Tennessee) among females (**Figure 5e**). The national rate for firearm-related hospitalizations was 17.6 per 100,000 persons among males and 2.0 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, rates varied by age. The highest firearm-related hospitalization rates were generally among people aged 15 to 24 years, ranging from too few cases to report to 46.2 (California) per 100,000 persons (**Figure 5f**). The lowest firearm-related hospitalization rates were among people aged 0 to 14 years and people aged 65 years or older.

**FIGURE 5A**  
**Firearm-Related Fatalities (Overall), 2006**



‡ No data available.

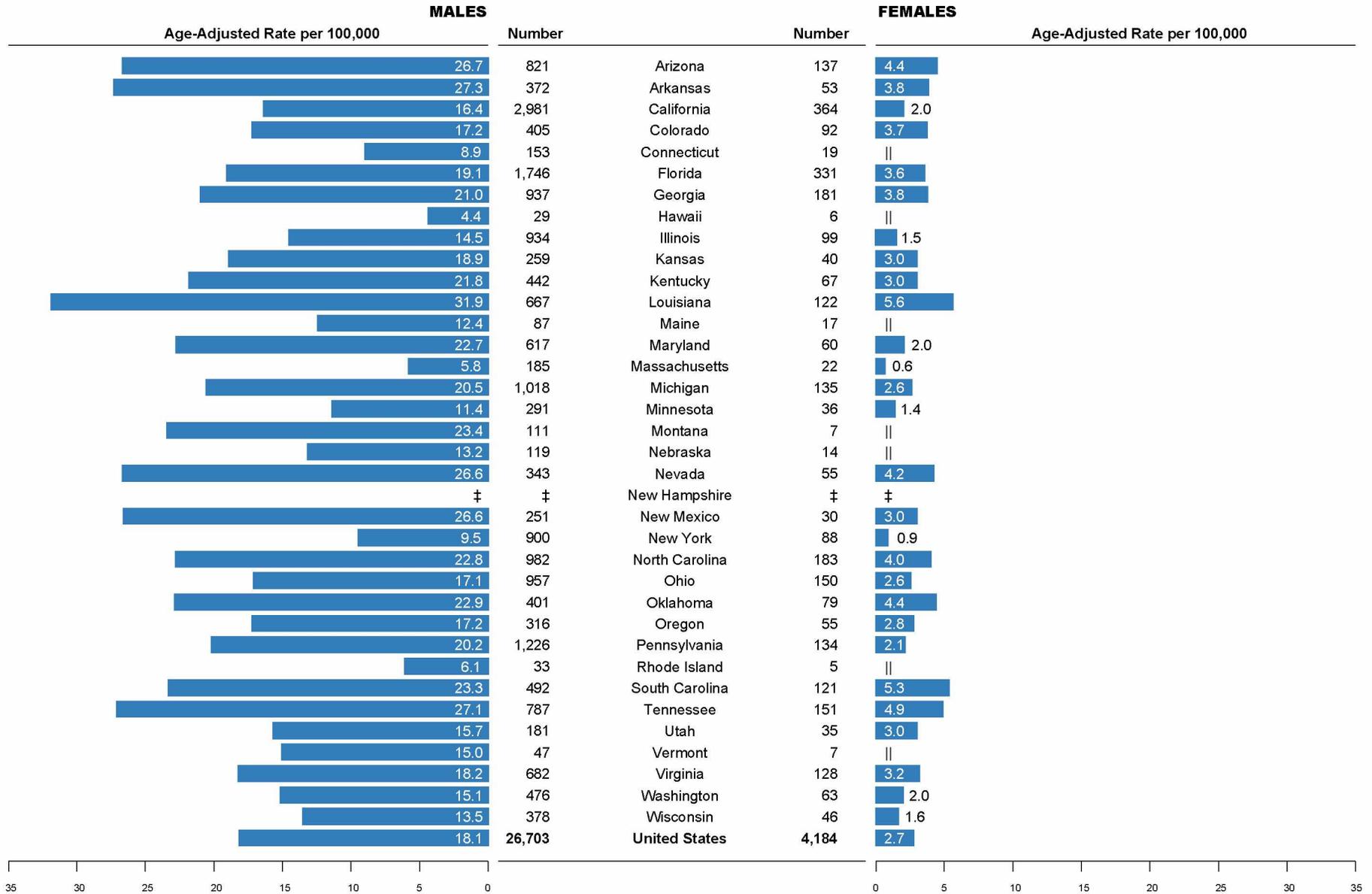
|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 5B**

**Firearm-Related Fatalities by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 5C**  
**Firearm-Related Fatalities by Age<sup>#</sup>, 2006**

State	0-14		15-24		25-44		45-64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	14		247	27.9	327	18.6	220	15.7	150	18.8
Arkansas	¶		72	18.7	163	21.5	118	16.8	69	17.7
California	53	0.7	1,056	19.5	1,141	10.7	688	8.1	407	10.4
Colorado	¶		121	16.9	156	11.2	152	12.4	65	13.7
Connecticut	¶		49	10.4	60	6.3	42	4.5	17	
Florida	16		403	17.5	673	13.9	575	12.6	410	13.5
Georgia	15		228	17.1	426	15.0	312	13.9	137	15.0
Hawaii	¶		7		9		12		7	
Illinois	13		320	17.4	406	11.1	197	6.3	97	6.3
Kansas	¶		58	14.0	115	15.7	79	11.5	44	12.3
Kentucky	¶		75	13.6	198	16.6	145	13.3	88	16.4
Louisiana	11		216	33.3	311	27.2	176	16.3	75	14.3
Maine	¶		11		29	8.4	42	10.9	21	10.9
Maryland	10		203	26.0	280	17.5	126	8.6	58	8.9
Massachusetts	¶		64	7.1	78	4.3	48	2.9	15	
Michigan	16		229	15.9	455	16.6	318	12.1	135	10.7
Minnesota	¶		62	8.3	118	8.2	92	6.9	52	8.3
Montana	¶		19		37	15.9	30	11.2	31	23.7
Nebraska	¶		33	12.4	30	6.5	49	11.2	19	
Nevada	6		83	22.0	131	17.0	103	16.4	75	25.5
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	¶		63	21.6	89	17.3	77	15.9	48	19.8
New York	12		286	10.3	391	7.2	200	4.1	99	3.9
North Carolina	14		255	21.0	418	16.5	325	14.5	153	14.2
Ohio	19		229	14.3	410	13.3	302	10.1	147	9.6
Oklahoma	14		86	16.3	170	17.9	146	16.4	64	13.5
Oregon	¶		56	11.3	108	10.5	115	11.6	88	18.4
Pennsylvania	19		360	20.0	476	14.8	324	10.0	181	9.6
Rhode Island	¶		12		11		12		¶	
South Carolina	9		125	20.4	223	18.9	175	15.6	81	14.6
Tennessee	7		175	21.3	359	21.3	277	18.1	120	15.9
Utah	¶		37	7.7	91	12.5	52	10.4	34	15.4
Vermont	¶		¶		16		23	12.5	11	
Virginia	8		170	16.0	267	12.0	245	12.4	120	13.5
Washington	¶		103	11.2	168	9.4	164	9.8	100	13.8
Wisconsin	¶		82	10.1	159	10.4	123	8.4	56	7.7
<b>United States</b>	<b>409</b>	<b>0.7</b>	<b>7,155</b>	<b>16.9</b>	<b>11,201</b>	<b>13.4</b>	<b>7,939</b>	<b>10.6</b>	<b>4,183</b>	<b>11.2</b>

‡ No data available.

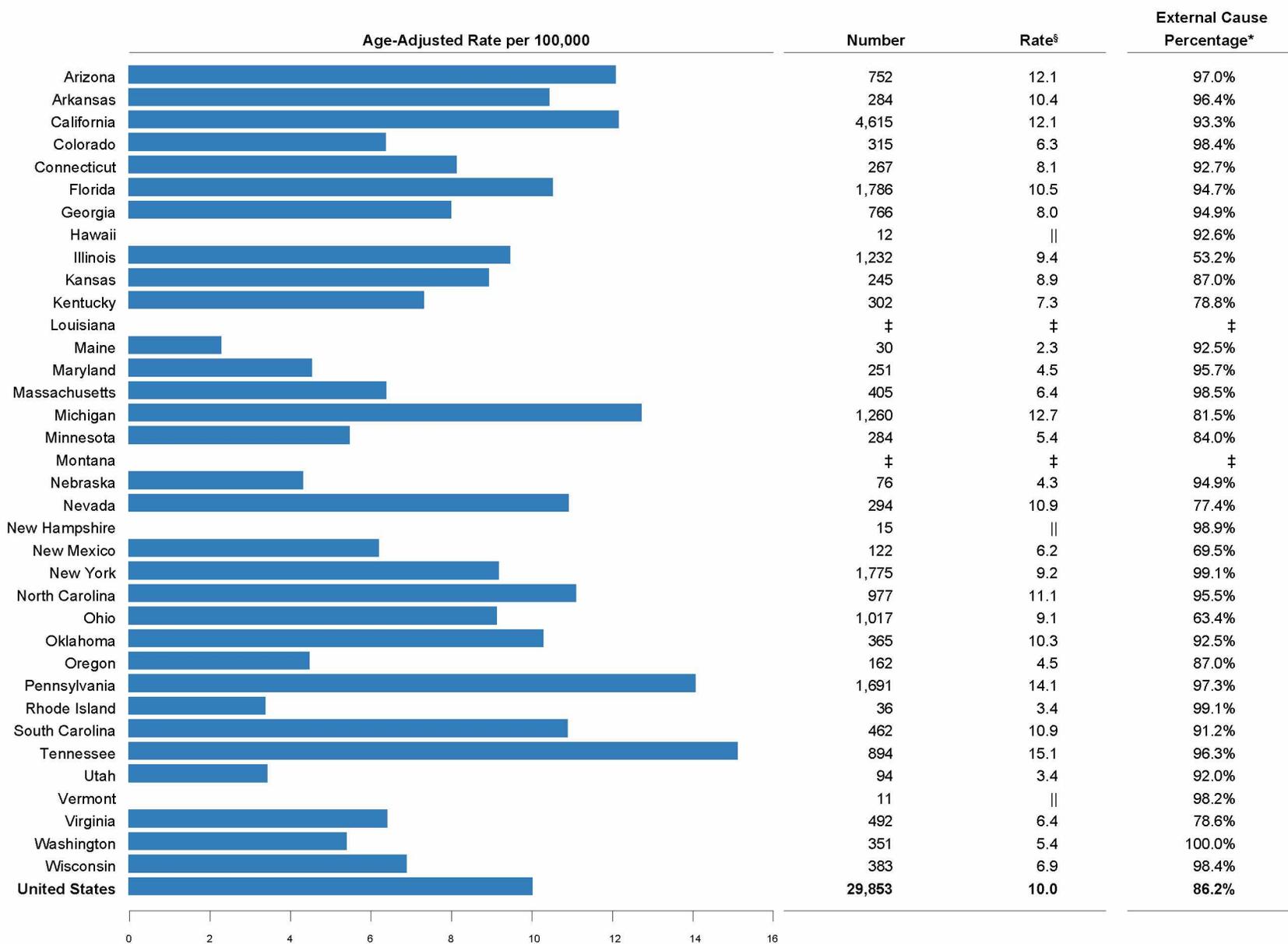
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

**FIGURE 5D**  
**Firearm-Related Hospitalizations (Overall), 2006**

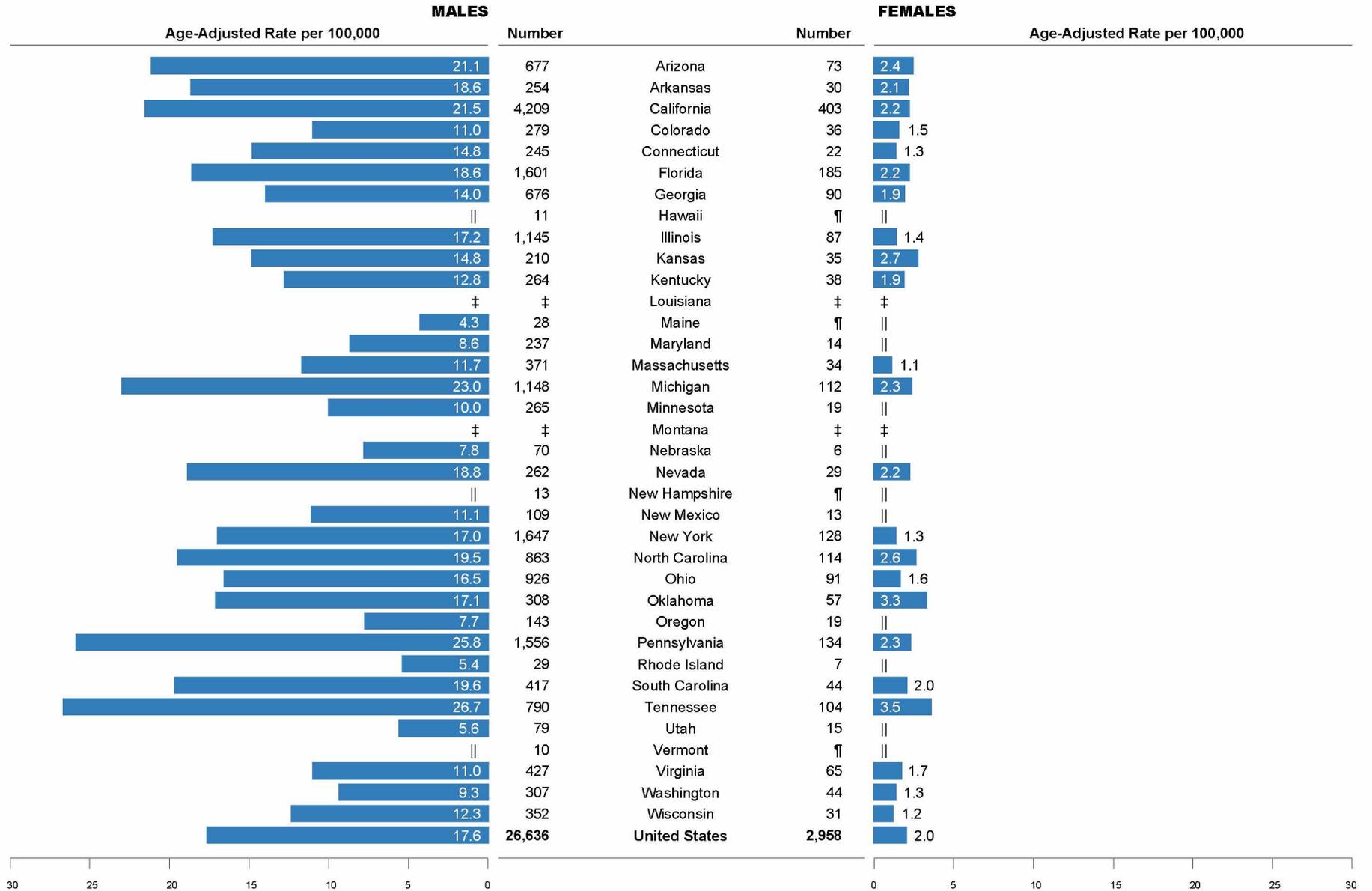


\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 5E**

**Firearm-Related Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 5F**  
**Firearm-Related Hospitalizations by Age<sup>#</sup>, 2006**

State	0-14		15-24		25-44		45-64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	19		330	37.3	318	18.0	76	5.4	9	
Arkansas	9		91	23.7	138	18.2	35	5.0	11	
California	141	1.8	2,506	46.2	1,583	14.8	337	4.0	48	1.2
Colorado	7		139	19.4	121	8.7	40	3.3	8	
Connecticut	14		128	27.1	108	11.3	11		6	
Florida	41	1.2	731	31.8	717	14.8	240	5.2	57	1.9
Georgia	18		301	22.6	331	11.7	90	4.0	26	2.8
Hawaii	¶		¶		¶		¶		¶	
Illinois	26	1.0	671	36.5	456	12.5	67	2.1	12	
Kansas	7		111	26.8	105	14.4	19		¶	
Kentucky	13		94	17.0	135	11.3	50	4.6	10	
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	¶		7		11		9		¶	
Maryland	¶		115	14.7	111	6.9	18		¶	
Massachusetts	13		239	26.7	127	7.0	23	1.4	¶	
Michigan	33	1.6	494	34.3	565	20.7	139	5.3	29	2.3
Minnesota	7		156	20.9	96	6.7	20	1.5	5	
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	5		39	14.6	24	5.2	6		¶	
Nevada	8		129	34.2	116	15.0	36	5.7	5	
New Hampshire	¶		¶		10		¶		¶	
New Mexico	¶		56	19.2	47	9.1	10		7	
New York	41	1.1	951	34.4	636	11.7	126	2.6	21	0.8
North Carolina	21	1.2	377	31.0	415	16.4	135	6.0	29	2.7
Ohio	34	1.5	439	27.5	430	14.0	93	3.1	21	1.4
Oklahoma	14		137	26.0	153	16.1	49	5.5	12	
Oregon	8		55	11.1	66	6.4	29	2.9	¶	
Pennsylvania	43	1.9	779	43.3	703	21.9	129	4.0	37	2.0
Rhode Island	¶		18		16		¶		¶	
South Carolina	15		174	28.4	208	17.6	56	5.0	9	
Tennessee	21	1.7	315	38.3	399	23.7	134	8.7	25	3.3
Utah	¶		28	5.8	49	6.8	12		¶	
Vermont	¶		¶		6		¶		¶	
Virginia	17		221	20.8	184	8.3	61	3.1	9	
Washington	14		143	15.5	118	6.6	63	3.8	13	
Wisconsin	27	2.5	181	22.3	130	8.5	38	2.6	7	
<b>United States</b>	<b>987</b>	<b>1.6</b>	<b>13,064</b>	<b>30.9</b>	<b>12,117</b>	<b>14.5</b>	<b>3,074</b>	<b>4.1</b>	<b>611</b>	<b>1.6</b>

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## **HOMICIDE/ASSAULT INDICATORS**

- 6a.** Homicides (Overall), 2006
- 6b.** Homicides by Sex, 2006
- 6c.** Homicides by Age, 2006
- 6d.** Assault-related Hospitalizations (Overall), 2006
- 6e.** Assault-related Hospitalizations by Sex, 2006
- 6f.** Assault-related Hospitalizations by Age, 2006

## HOMICIDE/ASSAULT INDICATORS

For 2006, the individual state rates of homicide fatalities ranged from too few cases to report (Vermont) to 12.0 (Louisiana) per 100,000 persons (**Figure 6a**). The second highest rate of fatalities occurred in Maryland (10.1 per 100,000 persons), followed by South Carolina (8.9 per 100,000 persons). The national rate for homicide fatalities was 6.2 per 100,000 persons. This figure represents an increase from the 2005 national rate of 6.1.

The sex-specific state rates of homicide fatalities ranged from too few cases to report to 19.9 (Louisiana) among males and from too few cases to report to 4.6 (South Carolina) among females (**Figure 6b**). The national rate for homicide fatalities was 9.8 per 100,000 persons among males and 2.6 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, the highest homicide fatality rates were among people aged 15 to 24 years, with a range of too few cases to report to 28.7 (Louisiana) (**Figure 6c**).

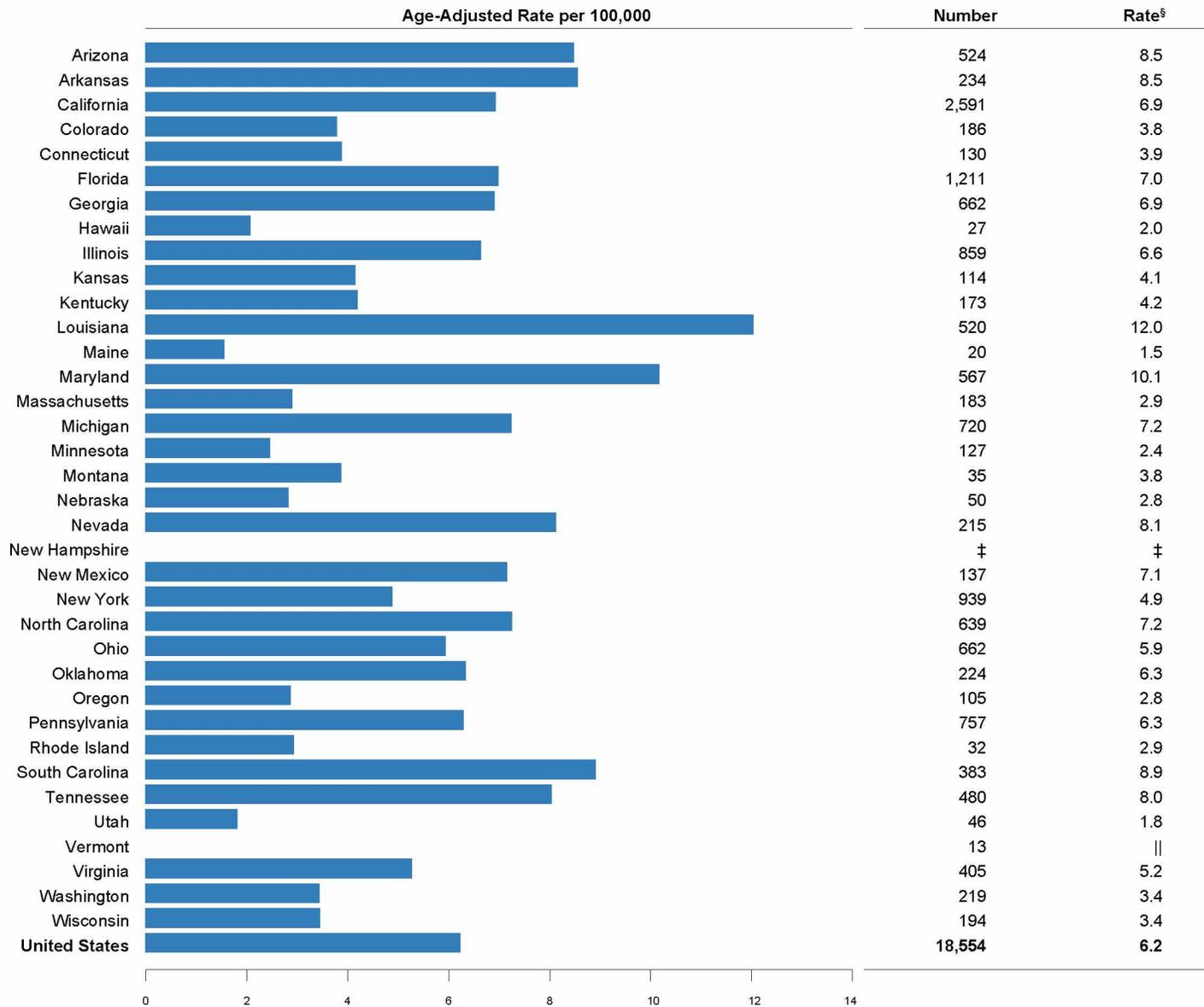
The individual state rates of assault-related hospitalizations ranged from 8.0 (New Hampshire) to 54.5 (Maryland) per 100,000 persons (**Figure 6d**). The second highest rate of hospitalizations occurred in New York (43.7 per 100,000 persons), followed by Pennsylvania (38.0 per 100,000 persons). The national rate for assault-related hospitalizations was 29.0 per 100,000 persons. This figure represents an increase from the 2005 national rate of 25.7. The state with the

lowest rate (New Hampshire) had an external cause completeness percentage of 98.9%. The state with the highest rate (Maryland) had an external cause completeness percentage of 95.7%.

The sex-specific state rates of assault-related hospitalizations ranged from 12.8 (New Hampshire) to 96.8 (Maryland) among males and from too few cases to report to 13.3 (Maryland) among females (**Figure 6e**). The national rate for assault-related hospitalizations was 49.4 per 100,000 persons among males and 7.5 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, rates varied by age. The highest assault-related hospitalization rates were generally among people aged 15 to 24 years, ranging from too few cases to report to 143.6 (Maryland) per 100,000 persons (**Figure 6f**).

**FIGURE 6A**  
**Homicides (Overall), 2006**



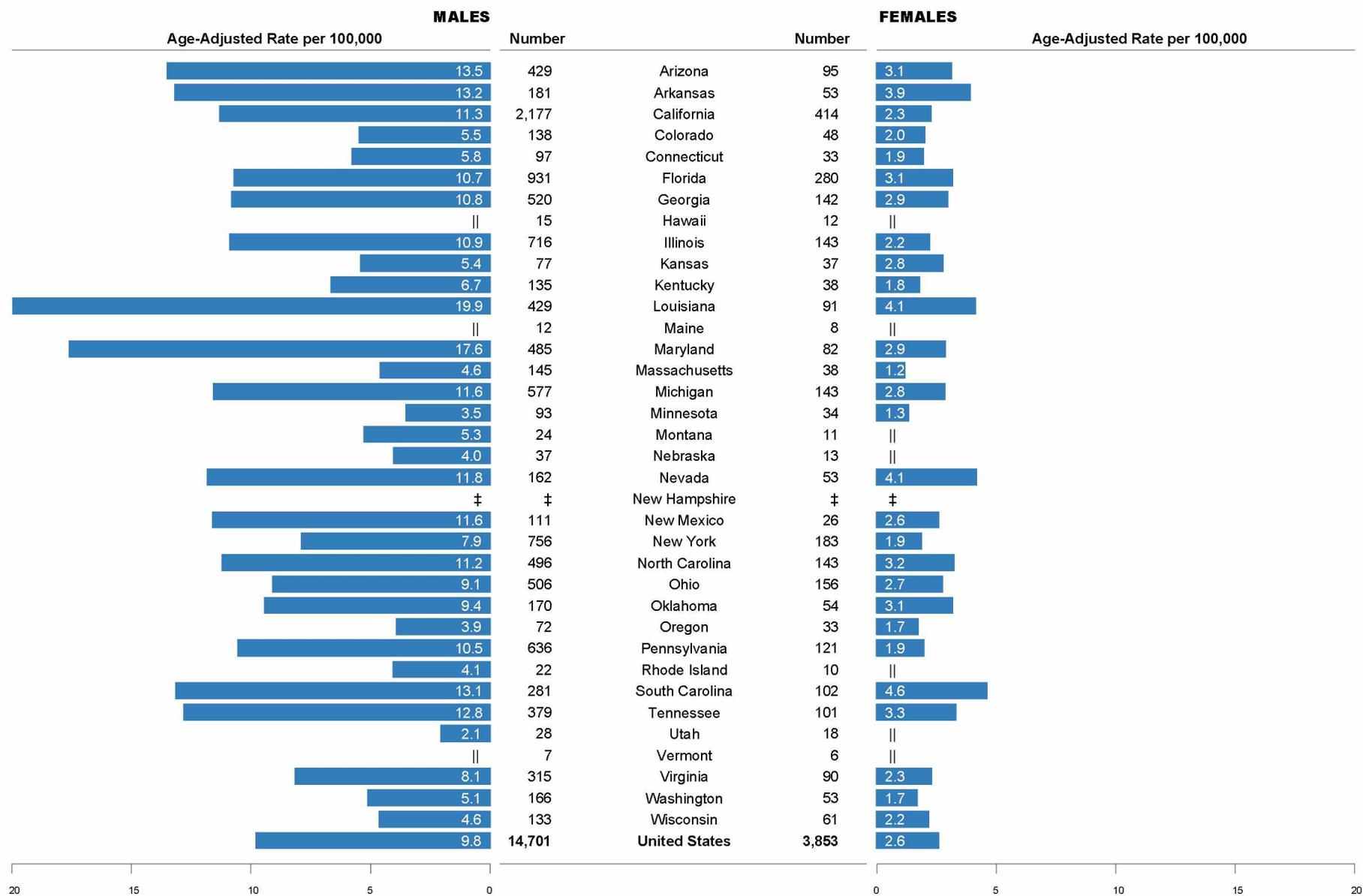
‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 6B**  
Homicides by Sex, 2006



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 6C**  
**Homicides by Age<sup>#</sup>, 2006**

State	0–14		15–24		25–44		45–64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>						
Arizona	26	1.9	177	20.0	223	12.7	84	6.0	14	
Arkansas	16		58	15.1	101	13.3	49	7.0	10	
California	126	1.6	981	18.1	997	9.3	417	4.9	70	1.8
Colorado	17		54	7.5	75	5.4	35	2.8	5	
Connecticut	7		46	9.7	53	5.6	19		5	
Florida	68	2.1	343	14.9	468	9.7	261	5.7	71	2.3
Georgia	30	1.5	185	13.9	296	10.5	123	5.5	28	3.1
Hawaii	¶		¶		12		9		¶	
Illinois	50	1.9	302	16.4	366	10.0	108	3.4	33	2.2
Kansas	5		36	8.7	44	6.0	24	3.5	5	
Kentucky	10		38	6.9	78	6.5	27	2.5	20	3.7
Louisiana	20	2.2	186	28.7	204	17.9	89	8.3	21	4.0
Maine	¶		¶		8		5		¶	
Maryland	25	2.2	199	25.5	258	16.1	73	5.0	12	
Massachusetts	7		70	7.8	76	4.2	23	1.4	7	
Michigan	26	1.3	191	13.2	336	12.3	141	5.3	26	2.1
Minnesota	12		44	5.9	45	3.1	22	1.7	¶	
Montana	6		¶		13		9		¶	
Nebraska	8		15		15		10		¶	
Nevada	15		64	17.0	86	11.1	38	6.0	12	
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	9		39	13.3	61	11.8	22	4.6	6	
New York	52	1.4	310	11.2	381	7.0	149	3.0	47	1.9
North Carolina	42	2.3	178	14.6	286	11.3	106	4.7	27	2.5
Ohio	59	2.6	168	10.5	291	9.4	115	3.8	29	1.9
Oklahoma	21	2.9	59	11.2	89	9.4	45	5.1	10	
Oregon	16		23	4.7	29	2.8	28	2.8	9	
Pennsylvania	33	1.4	291	16.2	306	9.5	107	3.3	20	1.1
Rhode Island	¶		10		10		8		¶	
South Carolina	22	2.6	100	16.3	159	13.5	83	7.4	19	
Tennessee	23	1.9	127	15.5	194	11.5	109	7.1	27	3.6
Utah	7		9		20	2.8	8		¶	
Vermont	¶		¶		7		¶		¶	
Virginia	26	1.7	116	10.9	161	7.2	78	3.9	24	2.7
Washington	18		56	6.1	92	5.1	44	2.6	9	
Wisconsin	16		69	8.5	60	3.9	45	3.1	¶	
<b>United States</b>	<b>1,092</b>	<b>1.8</b>	<b>5,717</b>	<b>13.5</b>	<b>7,745</b>	<b>9.2</b>	<b>3,221</b>	<b>4.3</b>	<b>779</b>	<b>2.1</b>

‡ No data available.

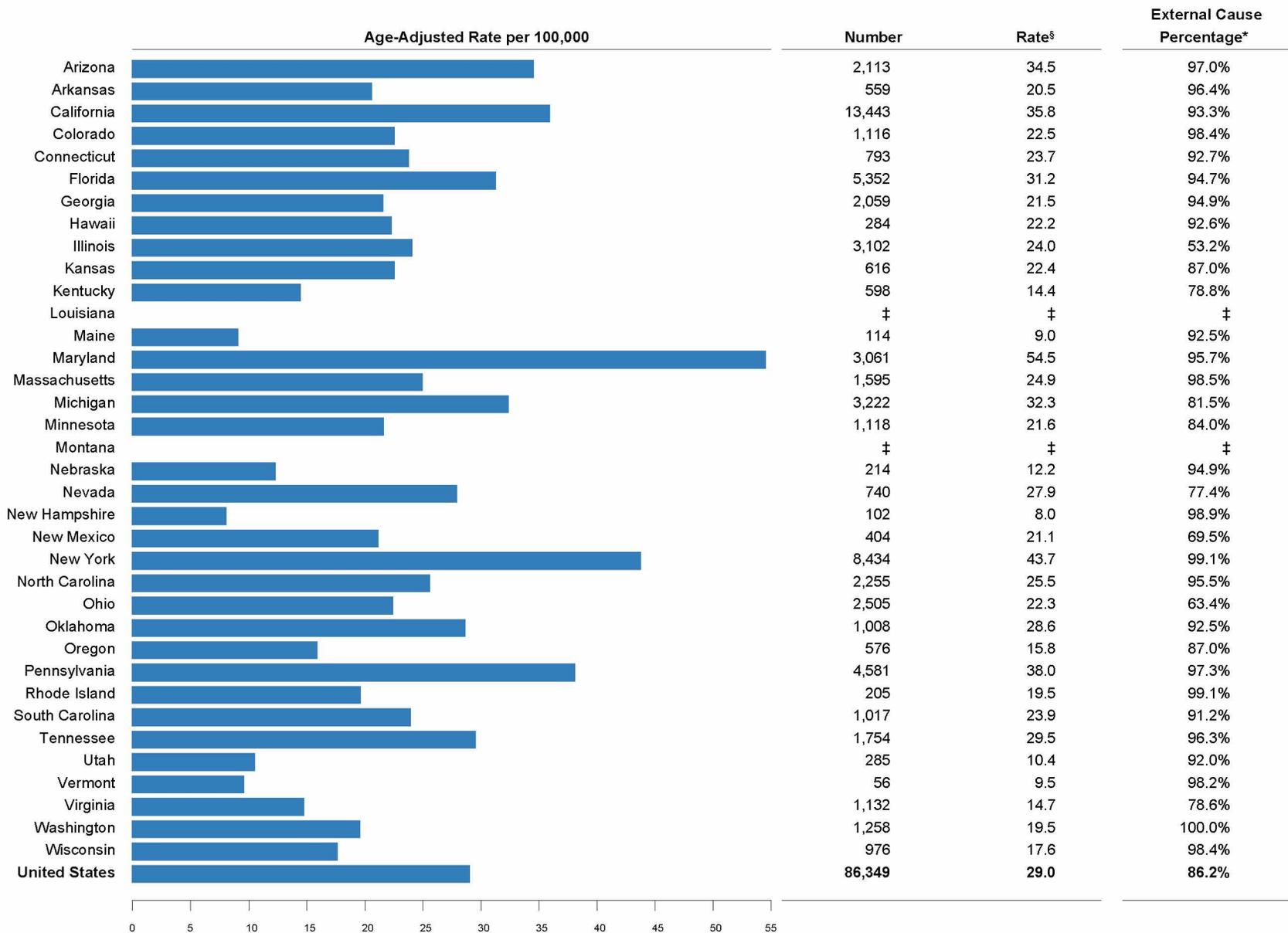
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

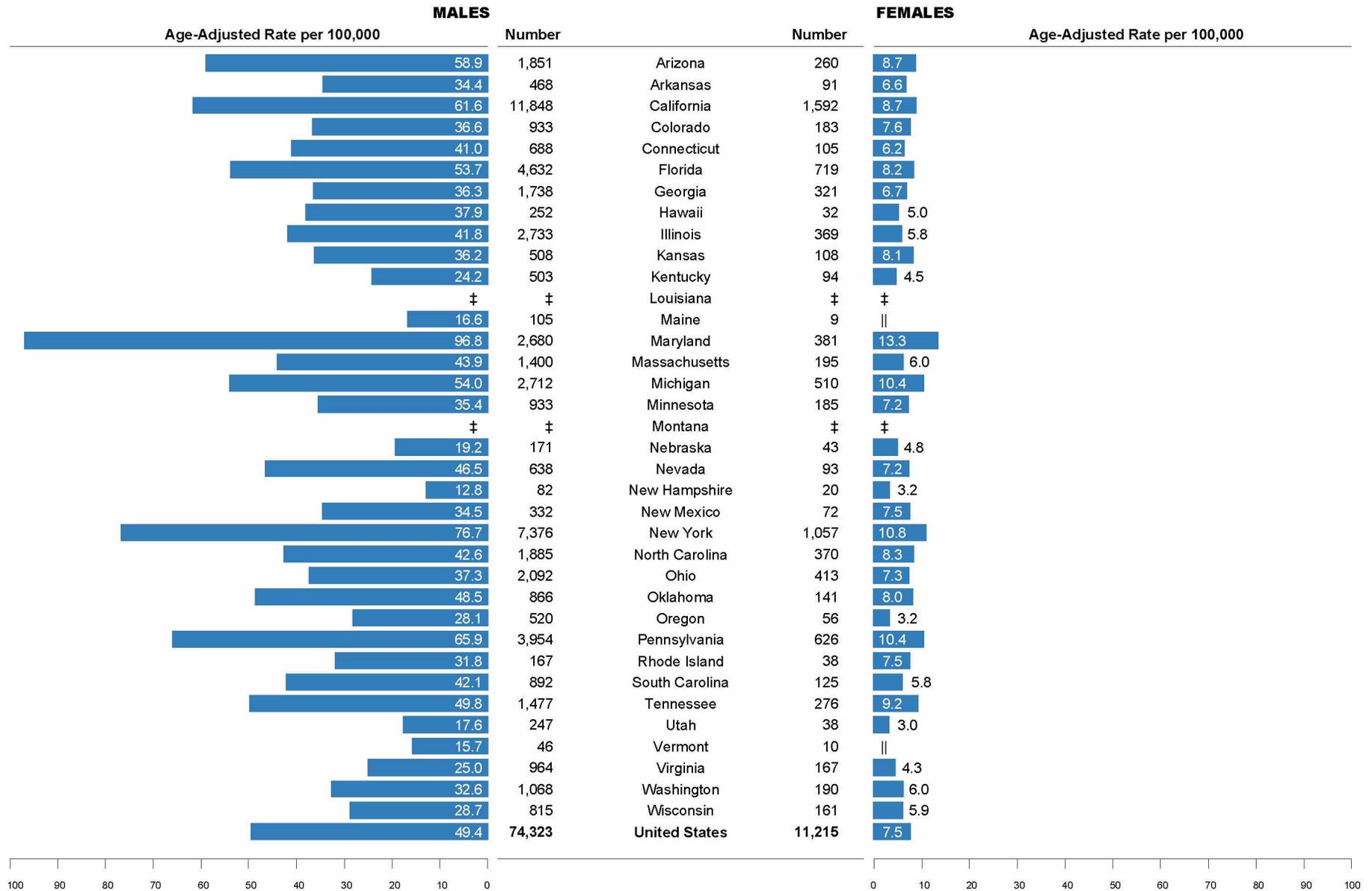
**FIGURE 6D**  
**Assault-Related Hospitalizations (Overall), 2006**



\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 6E**  
**Assault-Related Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 6F**  
**Assault-Related Hospitalizations by Age#, 2006**

State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	
Arizona	28	5.8	36	4.0	664	75.0	543	60.3	464	53.8	259	32.8	81	13.2	21	4.9	11		6		
Arkansas	5		¶		134	34.8	148	39.3	116	30.5	105	27.2	26	8.3	10		11		¶		
California	268	10.2	261	5.1	5,325	98.2	3,121	59.9	2,143	39.1	1,485	29.6	535	15.6	159	8.0	97	7.1	49	8.8	
Colorado	22	6.3	13		345	48.1	266	40.7	221	30.1	186	25.4	48	9.6	8		5		¶		
Connecticut	12		16		279	59.1	209	51.2	157	28.8	81	14.7	22	5.6	10		5		¶		
Florida	117	10.3	77	3.5	1,569	68.3	1,265	55.9	1,082	42.1	774	30.6	294	14.4	88	6.1	56	5.0	30	6.5	
Georgia	35	5.0	28	2.1	550	41.2	523	38.0	417	28.6	338	25.7	102	10.9	37	7.3	13		16		
Hawaii	6		¶		76	42.9	76	41.9	56	31.0	42	22.9	14		5		6		¶		
Illinois	26	2.9	65	3.7	1,197	65.1	774	43.2	539	28.9	340	18.4	91	7.0	39	5.1	26	4.8	5		
Kansas	14		12		212	51.1	141	39.7	114	30.4	82	20.3	27	9.5	8		5		¶		
Kentucky	13		8		154	27.8	154	26.3	129	21.2	88	14.2	35	7.4	10		6		¶		
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	¶		¶		38	22.1	29	19.1	13		21	9.6	5		¶		¶		¶		
Maryland	12		62	8.3	1,121	143.6	762	104.1	540	62.0	382	44.5	117	19.2	32	9.4	15		18		
Massachusetts	13		36	4.5	605	67.5	376	45.3	276	27.8	215	22.1	54	7.7	11		6		¶		
Michigan	108	16.9	55	4.0	899	62.4	750	58.9	660	45.1	515	33.6	153	13.8	40	6.3	30	6.7	12		
Minnesota	22	6.4	12		414	55.4	284	42.0	199	26.2	127	16.1	38	7.1	13		6		¶		
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	17		7		70	26.2	43	18.9	38	16.1	26	10.2	8		5		¶		¶		
Nevada	¶		14		195	51.7	184	48.0	158	40.6	130	36.4	36	13.2	11		6		¶		
New Hampshire	5		¶		39	22.1	13		29	14.1	10		¶		¶		¶		¶		
New Mexico	26	18.4	7		107	36.6	98	38.2	83	32.1	54	19.7	19		¶		¶		¶		
New York	174	14.5	284	11.6	3,254	117.7	1,801	71.3	1,463	50.4	948	33.5	292	14.0	111	8.8	67	7.5	40	10.7	
North Carolina	69	11.2	34	2.9	636	52.3	516	42.5	474	35.8	359	28.4	104	10.7	29	5.0	23	6.3	11		
Ohio	121	16.5	50	3.3	715	44.8	574	39.3	497	30.6	365	21.0	111	8.8	30	3.9	27	4.9	15		
Oklahoma	15		15		289	54.8	252	52.5	202	42.8	162	32.2	56	14.5	7		6		¶		
Oregon	22	9.5	11		180	36.4	134	25.8	109	21.3	84	15.1	24	5.5	6		¶		¶		
Pennsylvania	72	9.8	86	5.4	1,541	85.6	1,056	71.6	903	51.9	613	33.8	189	13.4	67	6.8	24	3.5	30	13.1	
Rhode Island	17		¶		65	40.6	48	36.3	41	25.9	16		8		6		¶		¶		
South Carolina	9		18		280	45.8	267	47.0	215	35.1	167	26.9	44	8.7	11		¶		¶		
Tennessee	68	17.1	24	2.9	470	57.2	399	49.1	355	40.8	286	32.8	92	13.9	31	7.6	22	8.8	7		
Utah	11		5		94	19.5	79	19.6	47	14.6	34	11.4	11		¶		¶		¶		
Vermont	6		¶		18		15		¶		¶		¶		¶		¶		¶		
Virginia	47	9.2	20	2.0	365	34.3	251	24.0	217	18.4	153	13.4	44	5.3	16		7		12		
Washington	49	11.9	23	2.7	380	41.3	302	35.6	227	24.1	190	19.6	58	8.3	18		7		¶		
Wisconsin	85	24.1	19		319	39.3	195	27.5	169	20.8	123	14.3	40	6.6	14		9		¶		
<b>United States</b>	<b>927</b>	<b>4.5</b>	<b>1,751</b>	<b>4.3</b>	<b>28,170</b>	<b>66.6</b>	<b>22,096</b>	<b>55.0</b>	<b>15,899</b>	<b>36.5</b>	<b>11,803</b>	<b>27.3</b>	<b>3,606</b>	<b>11.4</b>	<b>1,019</b>	<b>5.4</b>	<b>697</b>	<b>5.3</b>	<b>381</b>	<b>7.2</b>	

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## **MOTOR VEHICLE INDICATORS**

- 7a.** Motor Vehicle Traffic Fatalities (Overall), 2006
- 7b.** Motor Vehicle Traffic Fatalities by Sex, 2006
- 7c.** Motor Vehicle Traffic Fatalities by Age, 2006
- 7d.** Motor Vehicle Traffic Hospitalizations (Overall), 2006
- 7e.** Motor Vehicle Traffic Hospitalizations by Sex, 2006
- 7f.** Motor Vehicle Traffic Hospitalizations by Age, 2006
- 7g.** Percentage of Adults Who Always or Nearly Always Wear Seat Belt, 2006
- 7h.** Of the Adults Reporting Drinking at Least One Alcoholic Beverage in the Past Month, the Percentage Reporting Driving After Perhaps Having Too Much to Drink in the Past Month, 2006
- 7i.** Alcohol-related Crash Deaths, 2006

## MOTOR VEHICLE INDICATORS

For 2006, the individual state rates of motor vehicle traffic fatalities ranged from 6.2 (Rhode Island) to 27.3 (Montana) per 100,000 persons (**Figure 7a**). The second highest rate of fatalities occurred in Arkansas (24.9 per 100,000 persons), followed by New Mexico (23.5 per 100,000 persons). The national rate for motor vehicle traffic fatalities was 14.5 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 14.6.

The sex-specific state rates of motor vehicle traffic fatalities ranged from 9.3 (Rhode Island) to 36.8 (Montana) among males and from 3.1 (Rhode Island) to 18.2 (Montana) among females (**Figure 7b**). The national rate for motor vehicle traffic fatalities was 20.5 per 100,000 persons among males and 8.6 per 100,000 persons among females. The state rates were always higher among males than females. Rates varied from 1.9 times higher (Utah) to 3.0 times higher (Rhode Island) among males than females.

Among the reporting states, the highest motor vehicle traffic fatality rates were generally among people aged 15 to 24 years, with a range of 12.7 (New York) to 49.1 (Montana) per 100,000 persons (**Figure 7c**). The lowest motor vehicle traffic fatality rates were among people aged 0 to 14 years, with a range of too few cases to report to 6.8 (New Mexico).

The individual state rates of motor vehicle traffic hospitalizations ranged from 38.6 (Illinois and Nebraska) to 109.8 (Tennessee) per 100,000

persons (**Figure 7d**). The second highest rate of hospitalizations occurred in Pennsylvania (107.4 per 100,000 persons), followed by Maryland (102.3 per 100,000 persons). The national rate for motor vehicle traffic hospitalizations was 81.9 per 100,000 persons. This figure represents an increase from the 2005 national rate of 77.9. States with the lowest rate had a range of completeness of external cause coding from 53.2% (Illinois) to 94.9% (Nebraska). The state with the highest rate (Tennessee) had an external cause completeness percentage of 96.3%.

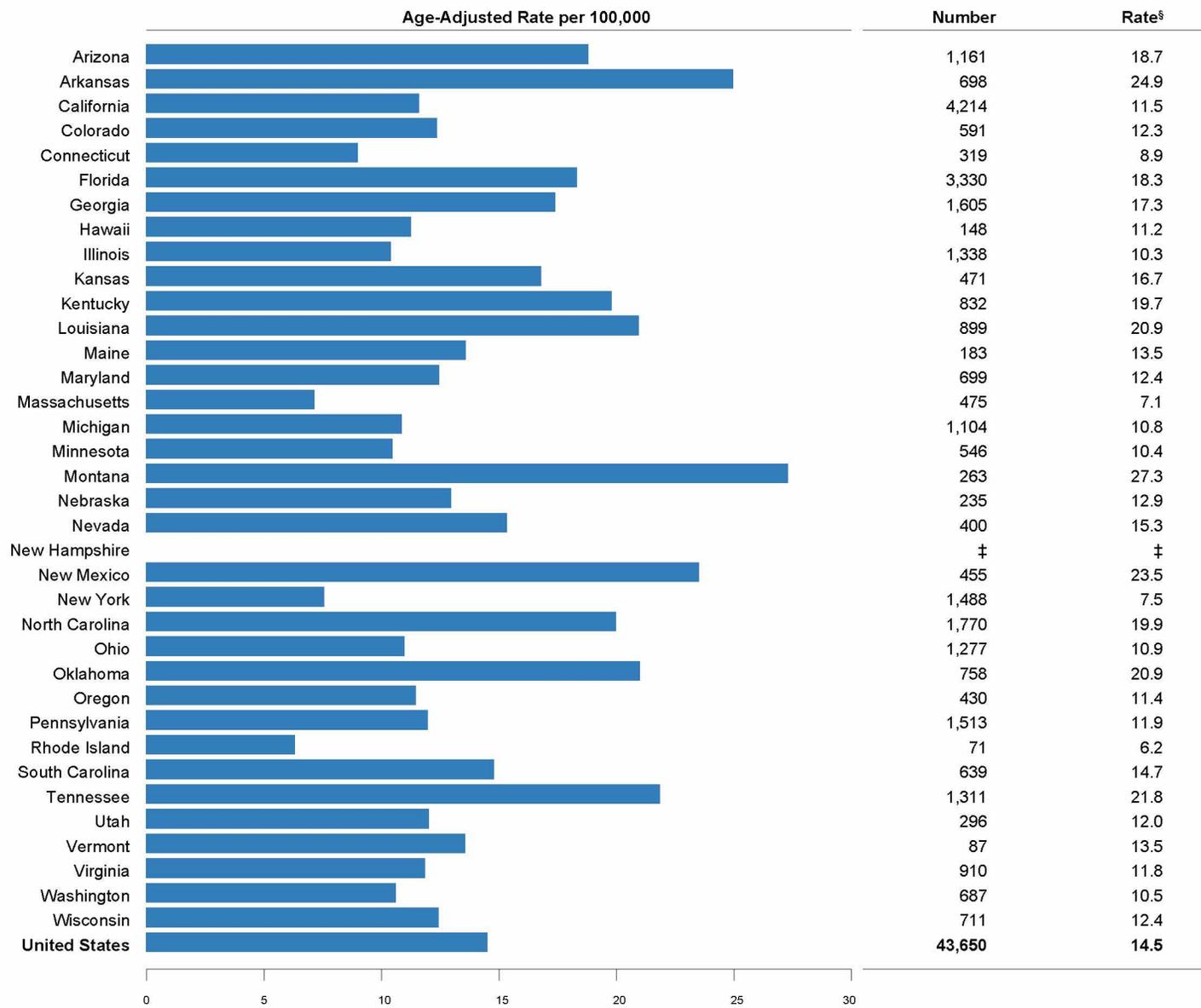
The sex-specific state rates of motor vehicle traffic hospitalizations ranged from 42.3 (Nebraska) to 140.3 (Tennessee) among males and from 28.9 (Illinois) to 80.3 (Tennessee) among females (**Figure 7e**). The national rate for motor vehicle traffic hospitalizations was 104.3 per 100,000 persons among males and 58.7 per 100,000 persons among females. The state rates were always higher among males than females. Rates varied from 1.2 times higher (Nebraska) to 2.4 times higher (Hawaii) among males than females.

Among the reporting states, rates varied by age. The highest motor vehicle traffic hospitalization rates were generally among people aged 15 to 24 years, ranging from 64.5 (Nebraska) to 211.5 (Maryland) per 100,000 persons (**Figure 7f**). The lowest motor vehicle traffic hospitalization rates were generally among people aged 0 to 4 years, ranging from too few cases to report to 35.2 (Arizona) per 100,000 persons.

Based on data from the Behavioral Risk Factor Surveillance System (BRFSS), 77.3% (New Hampshire) to 96.8% (Washington) of adults reported that they always or nearly always wear seat belts when driving or riding in a car (**Figure 7g**). Also based on BRFSS data, 2.1% (Utah) to 7.1% (Louisiana, Nebraska, and Wisconsin) of adults who had drunk at least one alcoholic beverage in the past month also reported having driven after perhaps having too much to drink in the past month (**Figure 7h**).

Based on data from the Fatality Analysis Reporting System, alcohol-related crash death rates ranged from 2.4 (Utah) to 12.1 (Montana) per 100,000 (**Figure 7i**). The alcohol-related crash death rate for the United States was 5.3 per 100,000. This figure represents a decrease from the 2005 national rate of 5.9.

**FIGURE 7A**  
**Motor Vehicle Traffic Fatalities (Overall), 2006**



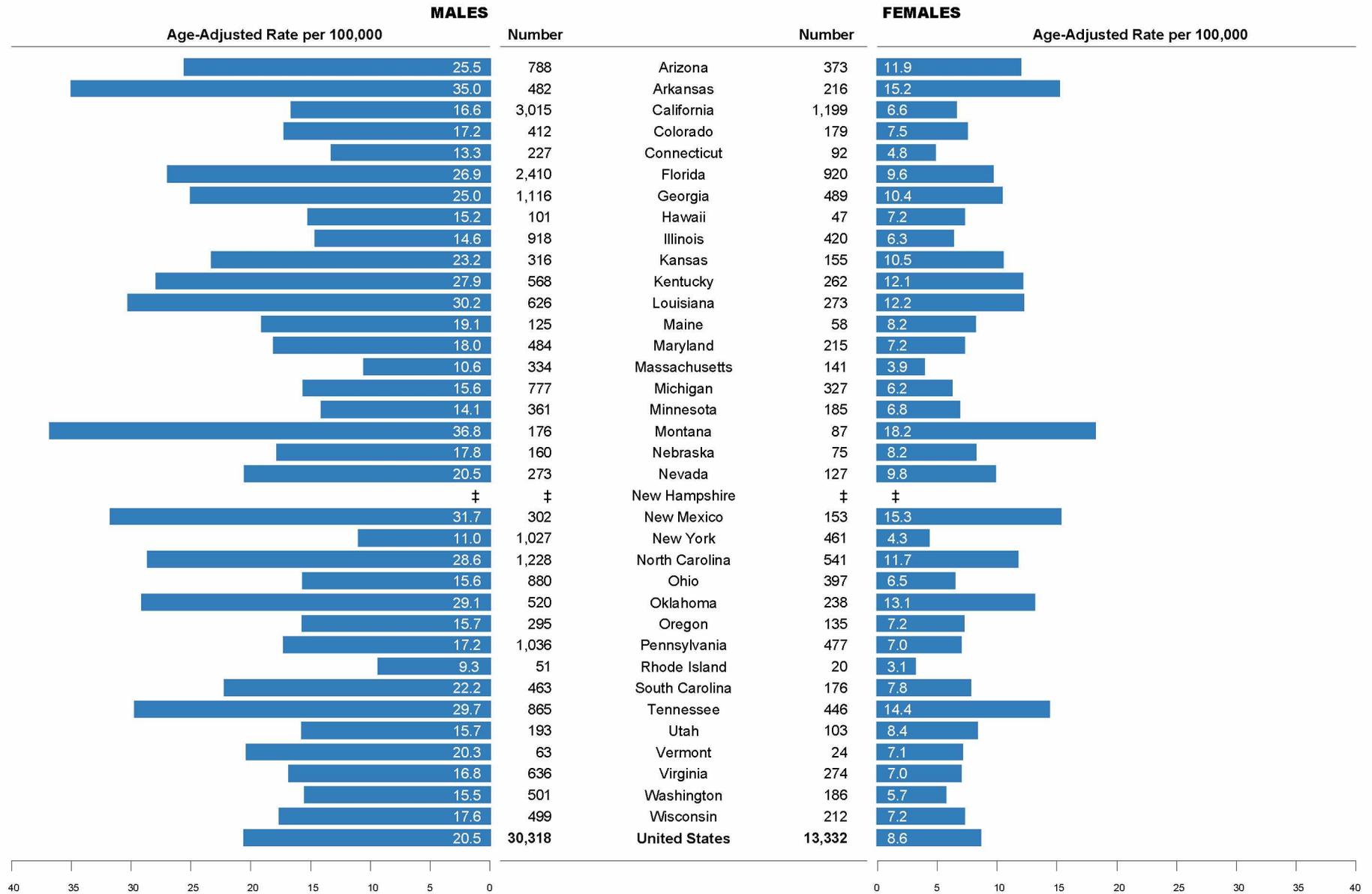
‡ No data available.

¶ Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 7B**  
**Motor Vehicle Traffic Fatalities by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 7C**  
**Motor Vehicle Traffic Fatalities, by Age<sup>#</sup>, 2006**

State	0–14		15–24		25–44		45–64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	46	3.3	276	31.2	383	21.7	307	21.9	149	18.7
Arkansas	37	6.4	185	48.1	228	30.1	166	23.7	82	21.0
California	195	2.5	1,092	20.1	1,295	12.1	1,053	12.5	579	14.8
Colorado	30	3.0	140	19.5	195	14.1	146	11.9	80	16.8
Connecticut	5		93	19.7	92	9.6	73	7.7	56	11.9
Florida	107	3.2	807	35.1	1,048	21.7	822	18.0	546	18.0
Georgia	70	3.4	402	30.1	529	18.7	380	16.9	224	24.5
Hawaii	6		29	16.4	51	14.1	39	11.9	23	12.8
Illinois	57	2.1	322	17.5	414	11.3	336	10.7	209	13.6
Kansas	21	3.7	116	28.0	130	17.8	107	15.6	97	27.1
Kentucky	32	3.9	196	35.4	272	22.8	194	17.8	138	25.7
Louisiana	34	3.8	209	32.3	330	28.9	231	21.4	95	18.2
Maine	5		49	28.5	48	13.8	41	10.6	40	20.8
Maryland	25	2.2	165	21.1	225	14.0	163	11.1	121	18.6
Massachusetts	12		119	13.3	122	6.7	124	7.4	98	11.4
Michigan	41	2.0	240	16.6	342	12.5	292	11.1	189	15.0
Minnesota	15		144	19.3	152	10.6	131	9.9	104	16.6
Montana	11		67	49.1	70	30.0	71	26.5	44	33.7
Nebraska	13		75	28.1	52	11.2	51	11.7	44	18.8
Nevada	18		88	23.3	135	17.5	103	16.4	56	19.1
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	28	6.8	106	36.3	155	30.1	111	23.0	55	22.7
New York	48	1.3	352	12.7	431	7.9	312	6.3	345	13.6
North Carolina	94	5.2	402	33.0	554	21.8	425	19.0	295	27.4
Ohio	47	2.1	285	17.8	371	12.0	349	11.6	225	14.7
Oklahoma	42	5.7	186	35.3	232	24.4	199	22.4	99	20.9
Oregon	17		106	21.5	114	11.0	127	12.8	66	13.8
Pennsylvania	63	2.7	356	19.8	466	14.5	322	10.0	306	16.2
Rhode Island	¶		23	14.4	14		19		13	
South Carolina	17		152	24.8	222	18.8	155	13.8	93	16.8
Tennessee	55	4.5	318	38.7	426	25.3	314	20.5	198	26.2
Utah	14		83	17.2	87	12.0	66	13.2	46	20.9
Vermont	¶		20	22.4	23	14.2	22	12.0	19	
Virginia	28	1.9	270	25.4	243	10.9	219	11.1	150	16.9
Washington	21	1.7	200	21.7	169	9.4	196	11.8	101	13.9
Wisconsin	19		208	25.6	208	13.7	165	11.3	111	15.2
<b>United States</b>	<b>1,828</b>	<b>3.0</b>	<b>10,739</b>	<b>25.4</b>	<b>13,632</b>	<b>16.3</b>	<b>10,713</b>	<b>14.3</b>	<b>6,738</b>	<b>18.1</b>

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

**FIGURE 7D**  
**Motor Vehicle Traffic Hospitalizations (Overall), 2006**

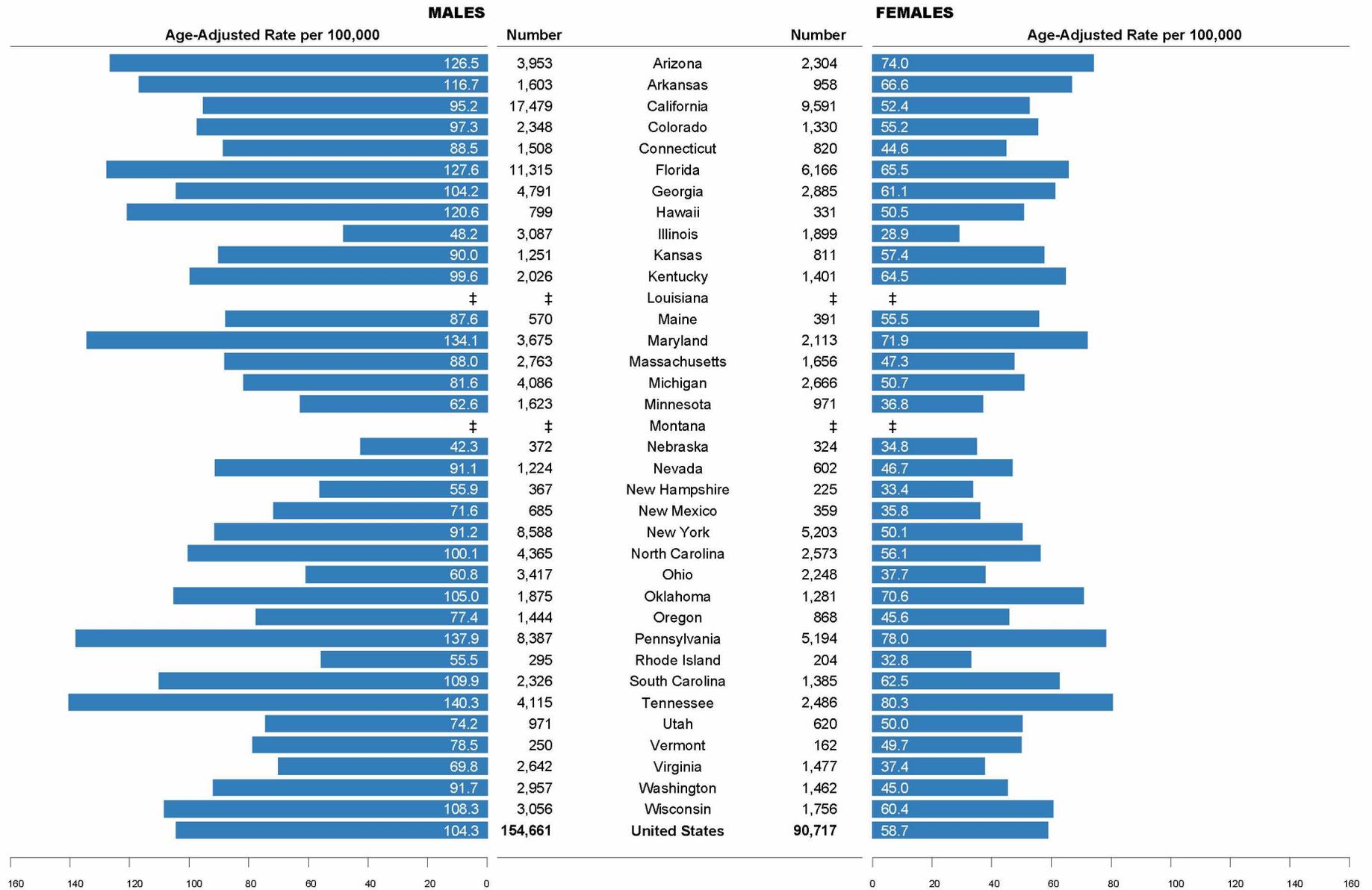


\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 7E**

**Motor Vehicle Traffic Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 7F**  
**Motor Vehicle Traffic Hospitalizations by Age<sup>#</sup>, 2006**

State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	
Arizona	170	35.2	396	43.6	1,621	183.0	1,076	119.5	936	108.6	852	107.8	561	91.7	315	72.8	237	87.7	95	99.1	
Arkansas	22	11.2	102	26.9	688	178.9	442	117.4	395	103.8	356	92.1	244	77.4	144	71.0	128	96.3	40	73.0	
California	469	17.9	1,505	29.3	6,941	128.0	4,546	87.3	4,100	74.7	3,876	77.2	2,513	73.2	1,433	71.7	1,232	89.8	460	83.0	
Colorado	44	12.5	145	22.2	858	119.7	561	85.9	614	83.6	597	81.6	398	79.9	216	83.3	190	117.8	55	101.7	
Connecticut	25	12.3	97	20.9	584	123.7	365	89.4	406	74.4	367	66.7	178	45.4	122	54.2	141	83.4	43	56.3	
Florida	246	21.8	758	34.7	4,097	178.4	2,710	119.8	2,637	102.5	2,637	104.2	1,766	86.2	1,166	80.6	1,018	90.6	447	96.4	
Georgia	157	22.4	403	30.2	1,859	139.4	1,385	100.7	1,286	88.3	1,075	81.7	673	72.0	411	81.5	317	107.4	110	97.0	
Hawaii	23	28.2	49	32.2	284	160.3	193	106.4	166	91.9	161	88.0	114	79.2	62	72.7	56	83.3	22	82.2	
Illinois	71	8.0	283	16.0	1,278	69.5	849	47.4	733	39.2	760	41.2	421	32.5	281	36.5	222	41.3	88	38.7	
Kansas	35	18.0	101	26.6	556	134.1	320	90.2	277	73.8	312	77.4	186	65.4	122	71.2	103	81.3	50	84.0	
Kentucky	40	14.4	156	28.3	846	153.0	592	101.2	580	95.5	483	77.9	286	60.5	214	74.6	162	89.0	68	98.7	
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	8		27	17.4	230	134.0	142	93.7	148	75.8	154	70.7	103	61.5	68	69.2	50	74.2	31	114.8	
Maryland	38	10.3	183	24.6	1,651	211.5	972	132.8	983	112.8	845	98.4	525	86.1	250	73.1	256	114.8	85	99.1	
Massachusetts	40	10.3	191	23.9	1,060	118.3	606	73.1	660	66.5	623	64.1	415	58.8	307	74.9	368	119.0	149	108.7	
Michigan	93	14.6	329	23.8	1,569	108.8	1,045	82.1	1,001	68.5	1,030	67.3	759	68.5	399	62.4	379	84.9	148	84.7	
Minnesota	29	8.4	132	19.3	661	88.5	393	58.1	396	52.2	373	47.1	251	46.8	151	48.7	151	70.0	57	56.1	
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	10		35	14.6	172	64.5	91	40.1	93	39.5	76	29.7	78	43.0	47	41.9	64	76.9	30	76.7	
Nevada	31	16.5	100	27.6	436	115.5	289	75.3	319	82.1	257	71.9	198	72.7	94	54.5	84	87.0	24	96.4	
New Hampshire	¶		12		164	93.1	75	49.3	98	47.5	91	42.0	64	41.8	43	51.7	33	58.6	10		
New Mexico	33	23.4	91	33.9	272	93.1	155	60.5	156	60.3	126	45.9	97	46.5	43	33.6	48	57.9	23	72.8	
New York	181	15.1	862	35.2	3,012	108.9	2,055	81.4	2,005	69.1	1,833	64.8	1,466	70.2	981	77.5	1,015	114.2	381	102.1	
North Carolina	95	15.4	303	25.7	1,644	135.1	1,166	96.0	1,106	83.5	1,034	81.7	671	68.8	415	72.3	386	105.3	118	87.0	
Ohio	84	11.4	332	21.6	1,344	84.1	902	61.8	890	54.9	834	48.0	541	42.9	327	42.7	308	56.2	103	47.5	
Oklahoma	88	34.6	163	33.8	828	156.9	512	106.7	471	99.8	449	89.4	272	70.3	168	68.4	153	94.6	53	80.4	
Oregon	32	13.9	110	23.3	550	111.3	326	62.7	308	60.1	392	70.3	263	60.3	161	66.9	111	66.6	60	84.5	
Pennsylvania	145	19.8	674	42.6	3,424	190.2	1,967	133.3	2,005	115.1	1,938	106.8	1,312	93.1	828	84.5	939	138.6	351	153.5	
Rhode Island	¶		12		116	72.4	65	49.1	69	43.6	77	48.2	60	51.9	28	41.6	51	91.8	20	79.6	
South Carolina	52	18.3	236	41.6	892	145.8	738	129.8	598	97.7	525	84.6	313	62.1	178	59.5	141	76.0	42	61.1	
Tennessee	90	22.7	288	35.4	1,677	204.1	1,163	143.1	1,070	123.0	914	104.9	621	93.7	385	93.9	304	121.4	89	93.8	
Utah	46	18.0	98	22.7	454	94.0	268	66.4	204	63.4	186	62.6	156	77.5	72	61.6	73	95.1	34	127.4	
Vermont	¶		14		126	141.1	49	68.5	60	66.3	70	67.1	40	50.5	15		27	94.1	8		
Virginia	59	11.6	151	15.4	1,087	102.2	681	65.0	648	55.0	607	53.2	366	43.9	216	45.5	226	75.1	81	72.2	
Washington	46	11.2	255	29.7	1,062	115.3	753	88.8	678	71.9	690	71.4	421	60.2	229	61.8	181	73.2	104	95.4	
Wisconsin	49	13.9	238	32.7	1,190	146.5	718	101.2	748	91.9	710	82.4	442	73.3	303	84.2	313	120.9	102	90.9	
<b>United States</b>	<b>3,226</b>	<b>15.8</b>	<b>11,305</b>	<b>28.1</b>	<b>58,632</b>	<b>138.7</b>	<b>42,348</b>	<b>105.4</b>	<b>36,760</b>	<b>84.4</b>	<b>37,135</b>	<b>85.9</b>	<b>24,399</b>	<b>77.3</b>	<b>14,861</b>	<b>78.6</b>	<b>13,042</b>	<b>99.9</b>	<b>4,874</b>	<b>92.2</b>	

‡ No data available.

§ Rate per 100,000 population.

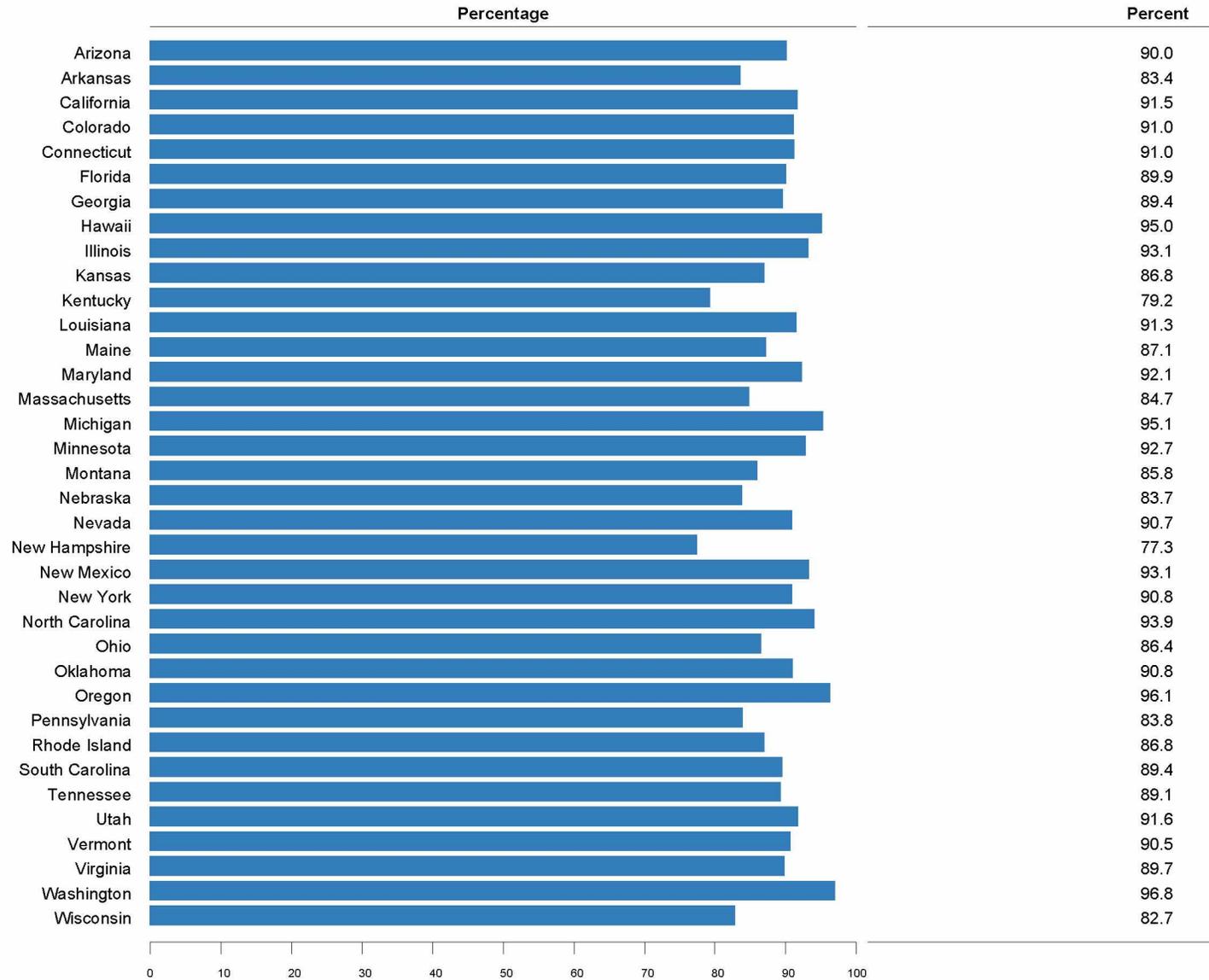
|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

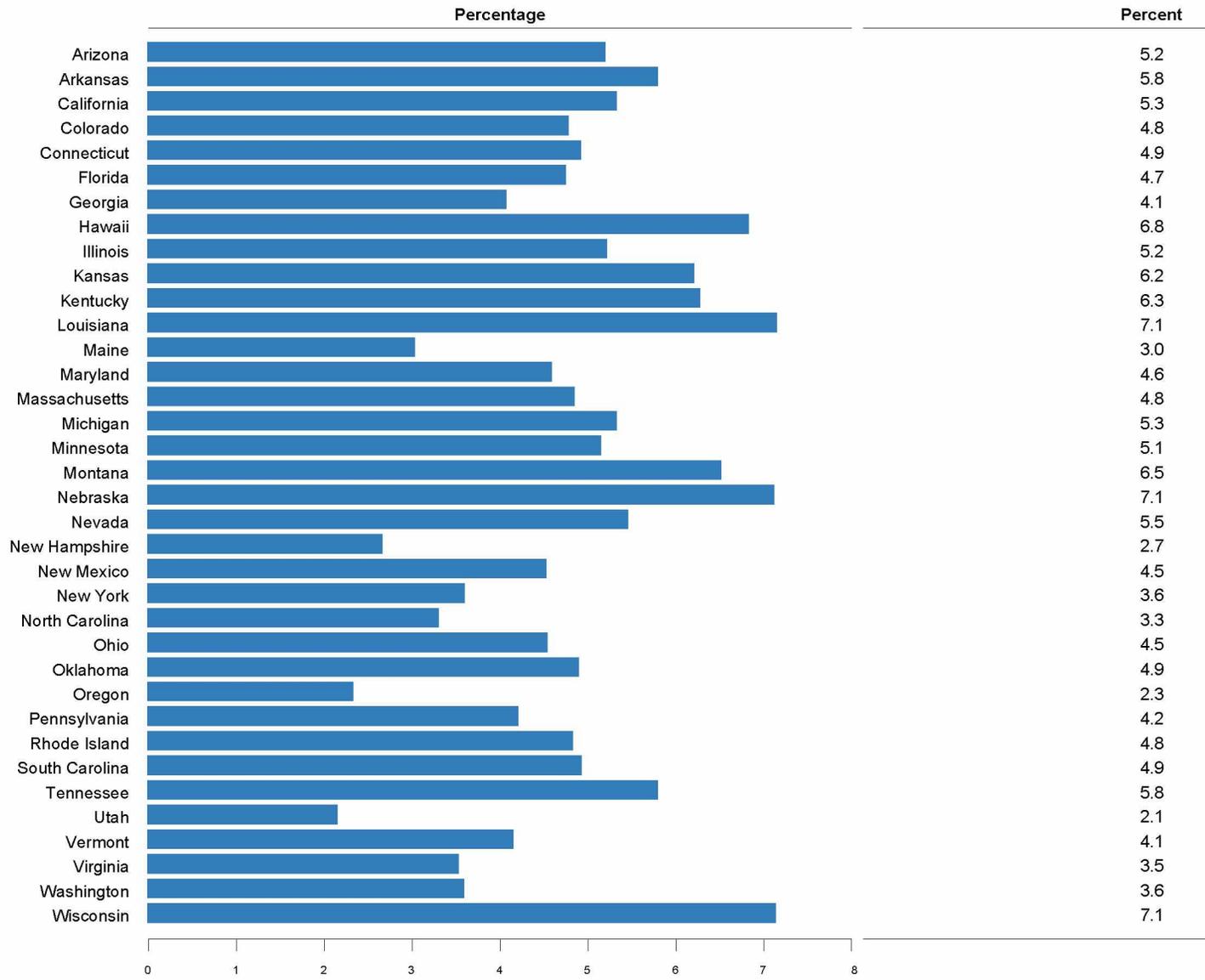
**FIGURE 7G**

**Percentage of Adults Who Always or Nearly Always Wear Seatbelt, 2006, Behavioral Risk Factor Surveillance System**

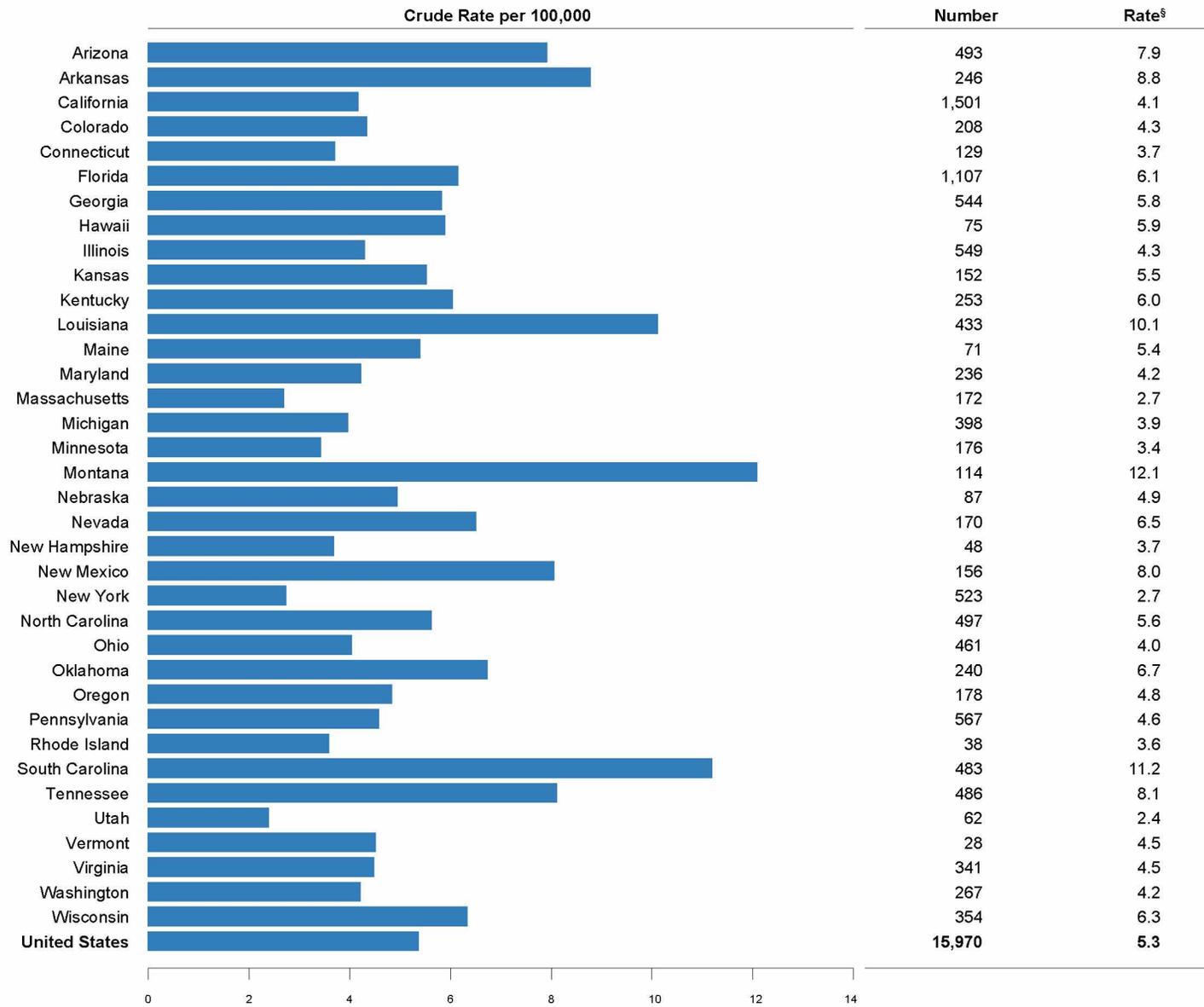


**FIGURE 7H**

**Of the Adults Reporting Drinking at Least One Alcoholic Beverage in the Past Month, the Percentage Reporting Driving After Perhaps Having Too Much to Drink in the Past Month, 2006, Behavioral Risk Factor Surveillance System**



**FIGURE 71**  
**Alcohol-Related Crash Deaths, 2006, Fatality Analysis Reporting System**



‡ No data available.      ¶ Rates are suppressed if fewer than 20 cases were reported.  
 § Rate per 100,000 population.      ¶¶ Case counts are suppressed if fewer than 5 cases were reported.

## **POISONING INDICATORS**

**8a.** Poisoning Fatalities (Overall), 2006

**8b.** Poisoning Fatalities by Sex, 2006

**8c.** Poisoning Fatalities by Age, 2006

**8d.** Poisoning Hospitalizations (Overall), 2006

**8e.** Poisoning Hospitalizations by Sex, 2006

**8f.** Poisoning Hospitalizations by Age, 2006

## POISONING INDICATORS

For 2006, the individual state rates of poisoning fatalities ranged from 5.1 (New York) to 23.1 (New Mexico) per 100,000 persons (**Figure 8a**). The second highest rate of fatalities occurred in Utah (19.7 per 100,000 persons), followed by Nevada (18.1 per 100,000 persons). The national rate for poisoning fatalities was 12.4 per 100,000 persons. This figure represents an increase from the 2005 national rate of 11.0.

The sex-specific state rates of poisoning fatalities ranged from 6.9 (New York) to 30.5 (New Mexico) among males and from 3.4 (New York) to 16.2 (Utah) among females (**Figure 8b**). The national rate for poisoning fatalities was 16.1 per 100,000 persons among males and 8.7 per 100,000 persons among females. The state rates were always higher among males than females. Rates varied from 1.2 times higher (Nebraska and Oregon) to 3.5 times higher (Rhode Island) among males than females.

Among the reporting states, the highest poisoning fatality rates were generally among people aged 25 to 44 years, with a range of 7.5 (New York) to 39.0 (New Mexico) per 100,000 persons, or among people aged 45 to 64 years, with a range of 8.9 (New York) to 40.2 (New Mexico) per 100,000 persons (**Figure 8c**). The lowest poisoning fatality rates were among people aged 0 to 14 years, with too few cases to report.

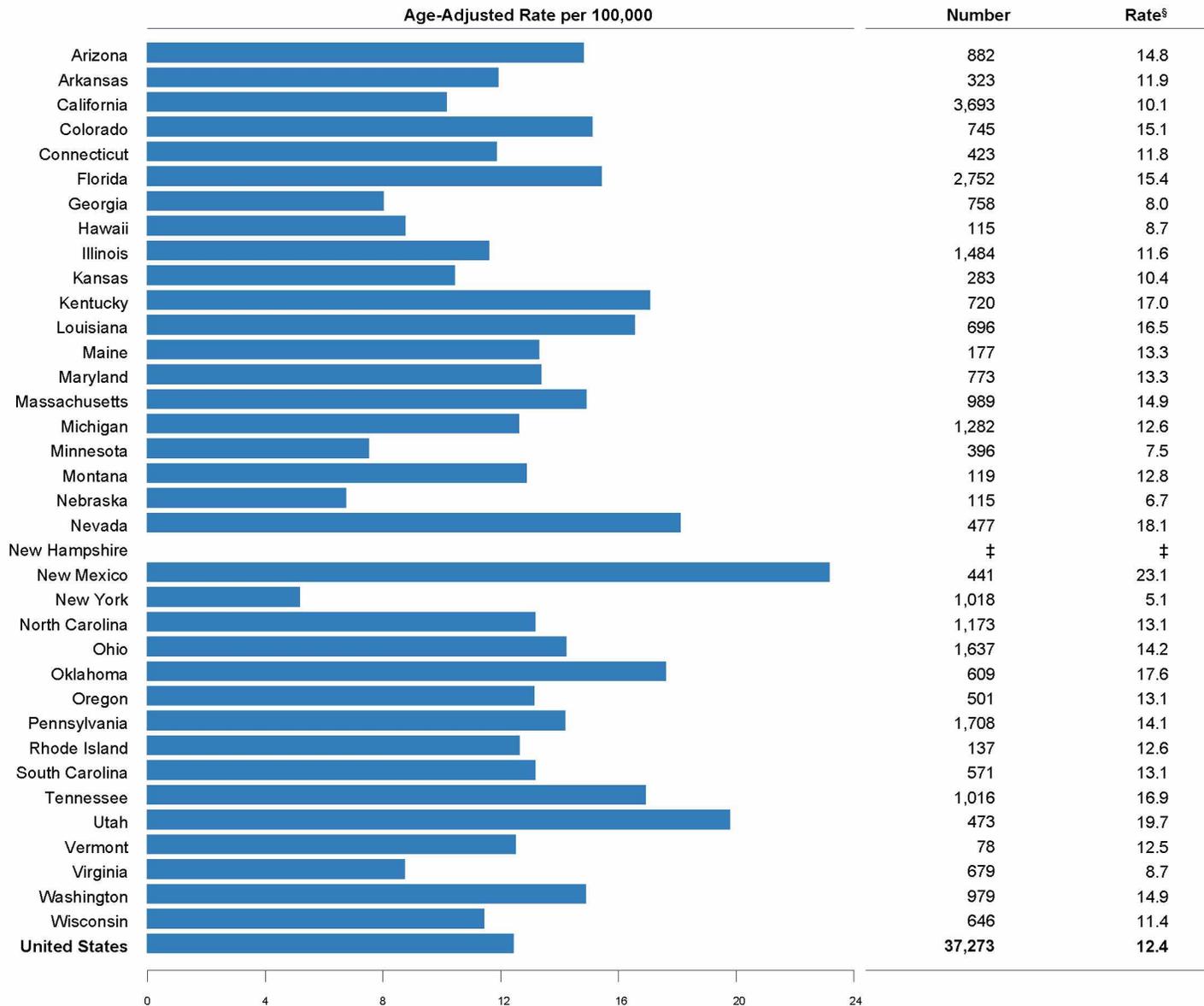
The individual state rates of poisoning hospitalizations ranged from 40.1 (Hawaii) to 114.4 (Oklahoma) per 100,000 persons (**Figure 8d**).

The second highest rate of hospitalizations occurred in Pennsylvania (110.4 per 100,000 persons), followed by Tennessee (95.5 per 100,000 persons). The national rate for poisoning hospitalizations was 79.8 per 100,000 persons. This figure represents an increase from the 2005 national rate of 74.9. The state with the lowest rate (Hawaii) had an external cause completeness percentage of 92.6%. The state with the highest rate (Oklahoma) had an external cause completeness percentage of 92.5%.

The sex-specific state rates of poisoning hospitalizations ranged from 35.3 (Hawaii) to 114.8 (Pennsylvania) among males and from 45.8 (Hawaii) to 130.6 (Oklahoma) among females (**Figure 8e**). The national rate for poisoning hospitalizations was 74.4 per 100,000 persons among males and 85.1 per 100,000 persons among females. These rates were higher among females than males in all reporting states except in Maryland, New York, and Pennsylvania. Rates varied from 1.3 times higher among males (New York) to 1.7 times higher among females (Nebraska). Massachusetts had similar rates for males and females.

Among the reporting states, rates varied by age. The highest poisoning hospitalization rates were generally among people aged 35 to 44 years, ranging from 53.2 (Hawaii) to 189.3 (Pennsylvania) per 100,000 persons (**Figure 8f**). The lowest poisoning hospitalization rates were among people aged 5 to 14 years, ranging from too few cases to report to 21.4 (Oklahoma) per 100,000 persons.

**FIGURE 8A**  
**Poisoning Fatalities (Overall), 2006**



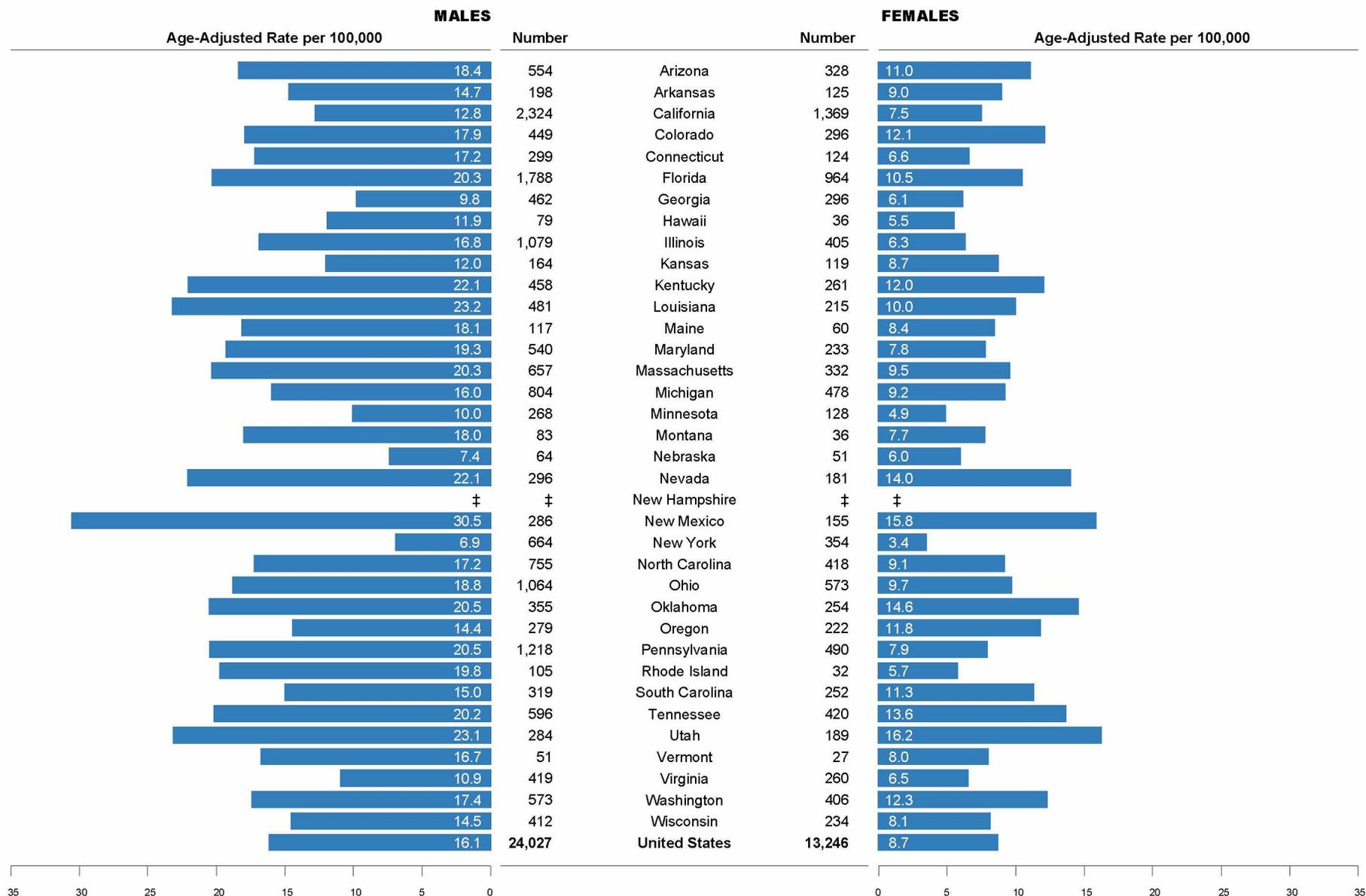
‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 8B**  
Poisoning Fatalities by Sex, 2006



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 8C**  
**Poisoning Fatalities by Age<sup>#</sup>, 2006**

State	0–14		15–24		25–44		45–64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	5		71	8.0	393	22.3	358	25.5	55	6.9
Arkansas	5		45	11.7	156	20.6	97	13.8	20	5.1
California	17		212	3.9	1,358	12.7	1,895	22.4	211	5.4
Colorado	¶		60	8.4	358	25.8	297	24.1	27	5.7
Connecticut	¶		44	9.3	198	20.8	156	16.6	24	5.1
Florida	15		322	14.0	1,171	24.2	1,076	23.5	168	5.5
Georgia	5		69	5.2	346	12.2	311	13.8	27	3.0
Hawaii	¶		5		40	11.1	62	19.0	7	
Illinois	6		163	8.9	715	19.5	550	17.5	50	3.3
Kansas	¶		18		128	17.5	127	18.5	8	
Kentucky	¶		76	13.7	384	32.2	222	20.3	36	6.7
Louisiana	6		110	17.0	330	28.9	222	20.6	28	5.4
Maine	¶		25	14.6	81	23.3	62	16.1	7	
Maryland	5		84	10.8	363	22.6	306	20.8	15	
Massachusetts	¶		70	7.8	454	24.9	434	25.9	30	3.5
Michigan	7		121	8.4	583	21.3	522	19.8	49	3.9
Minnesota	7		33	4.4	170	11.8	172	13.0	14	
Montana	¶		14		54	23.2	40	14.9	9	
Nebraska	¶		11		51	11.0	48	11.0	¶	
Nevada	¶		46	12.2	194	25.1	211	33.5	24	8.2
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	¶		38	13.0	201	39.0	194	40.2	8	
New York	¶		102	3.7	406	7.5	437	8.9	70	2.8
North Carolina	8		137	11.3	541	21.3	443	19.8	44	4.1
Ohio	9		134	8.4	735	23.9	701	23.4	58	3.8
Oklahoma	¶		58	11.0	279	29.3	244	27.4	25	5.3
Oregon	¶		36	7.3	195	18.9	243	24.5	25	5.2
Pennsylvania	7		214	11.9	857	26.6	557	17.3	73	3.9
Rhode Island	¶		8		66	22.7	60	21.8	¶	
South Carolina	7		45	7.4	243	20.6	245	21.8	31	5.6
Tennessee	¶		104	12.7	491	29.2	373	24.3	45	6.0
Utah	¶		70	14.5	217	29.9	170	34.1	16	
Vermont	¶		8		38	23.5	25	13.6	6	
Virginia	¶		65	6.1	339	15.2	240	12.2	31	3.5
Washington	10		80	8.7	379	21.2	453	27.2	57	7.8
Wisconsin	¶		52	6.4	305	20.0	253	17.3	35	4.8
<b>United States</b>	<b>191</b>	<b>0.3</b>	<b>3,680</b>	<b>8.7</b>	<b>16,767</b>	<b>20.0</b>	<b>14,912</b>	<b>19.9</b>	<b>1,723</b>	<b>4.6</b>

‡ No data available.

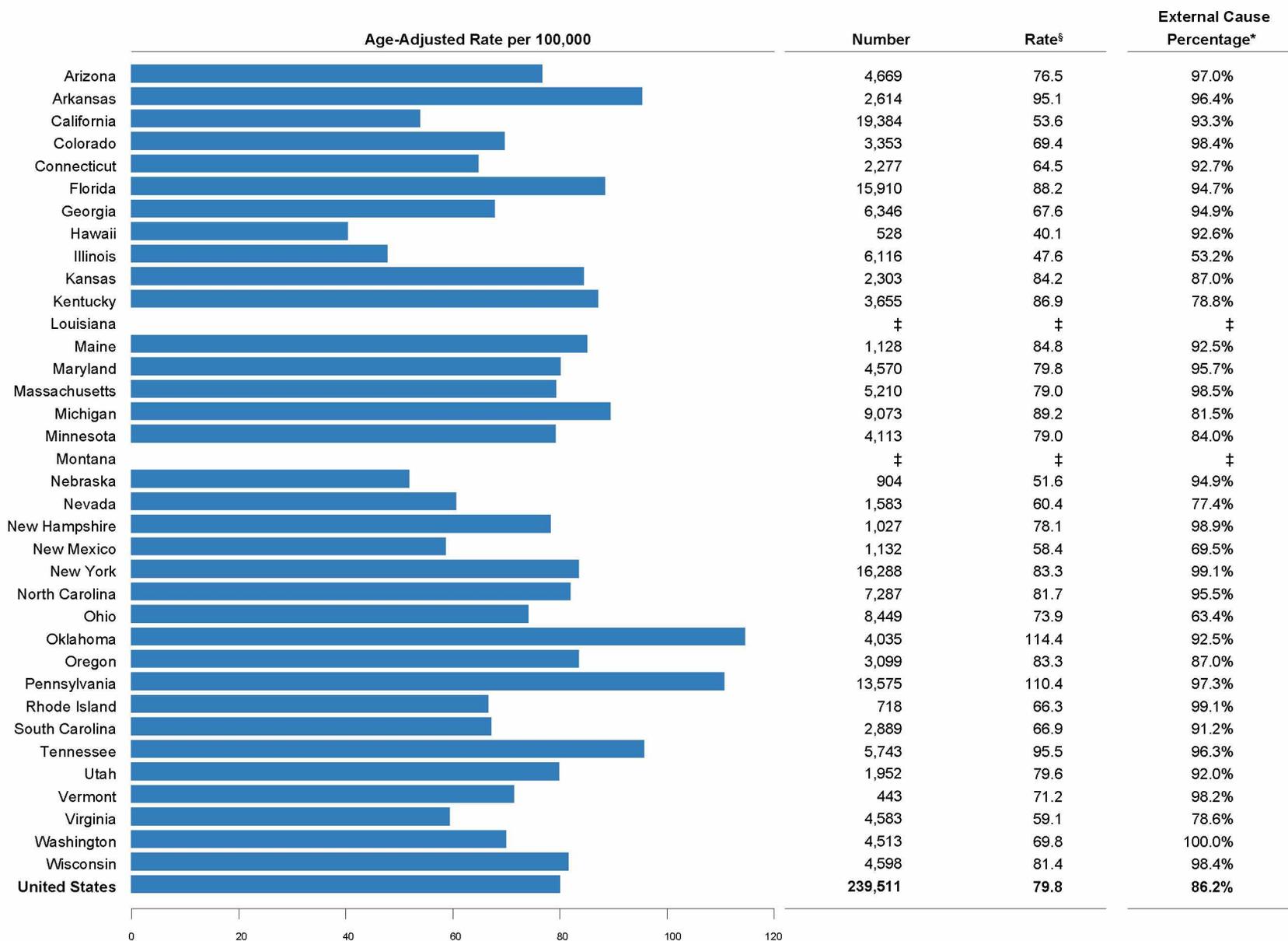
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

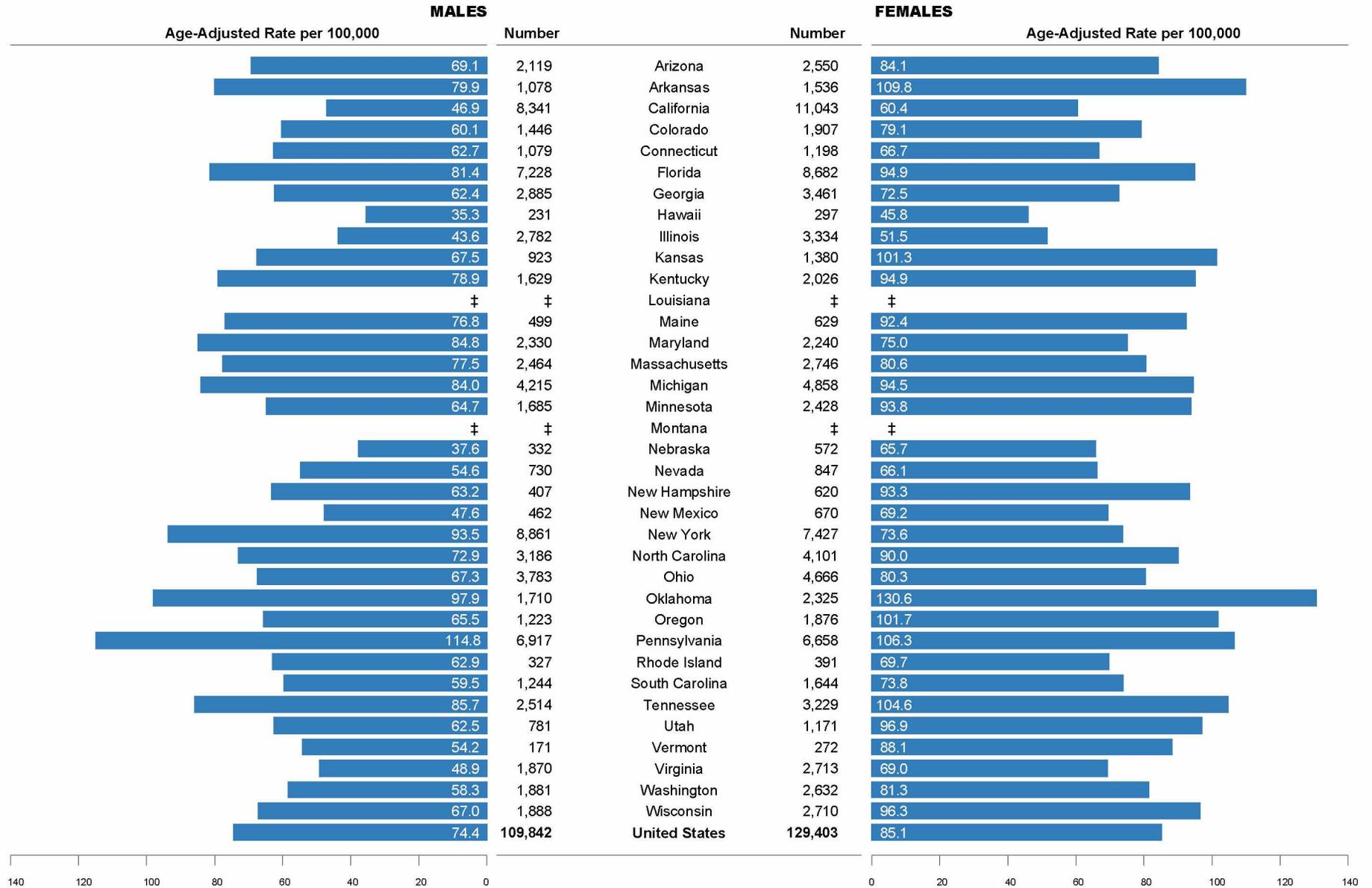
**FIGURE 8D**  
**Poisoning Hospitalizations (Overall), 2006**



\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 8E**  
**Poisoning Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 8F**  
**Poisoning Hospitalizations by Age<sup>#</sup>, 2006**

State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	
Arizona	113	23.4	74	8.2	783	88.4	850	94.4	1,024	118.8	894	113.1	469	76.6	229	52.9	172	63.7	61	63.6	
Arkansas	48	24.4	50	13.2	479	124.6	539	143.1	586	153.9	474	122.6	204	64.7	120	59.2	89	67.0	25	45.6	
California	618	23.5	474	9.2	3,134	57.8	2,406	46.2	3,432	62.5	4,011	79.9	2,390	69.6	1,223	61.2	1,192	86.9	504	91.0	
Colorado	60	17.1	65	10.0	620	86.5	556	85.2	680	92.5	685	93.6	305	61.2	180	69.4	140	86.8	62	114.7	
Connecticut	85	41.9	48	10.4	408	86.4	365	89.4	480	87.9	454	82.5	215	54.8	84	37.4	95	56.2	43	56.3	
Florida	380	33.6	240	11.0	2,541	110.6	2,481	109.7	3,343	130.0	3,397	134.2	1,620	79.1	861	59.5	759	67.6	288	62.1	
Georgia	147	20.9	107	8.0	1,056	79.2	1,076	78.2	1,408	96.7	1,335	101.5	644	68.9	310	61.5	205	69.5	58	51.2	
Hawaii	10		12		92	51.9	78	43.0	96	53.2	95	51.9	73	50.7	29	34.0	29	43.1	14		
Illinois	114	12.8	137	7.7	1,339	72.8	1,124	62.7	1,406	75.3	1,190	64.5	410	31.6	175	22.7	149	27.7	72	31.7	
Kansas	81	41.7	48	12.6	476	114.8	421	118.6	494	131.6	428	106.2	152	53.5	84	49.0	79	62.3	40	67.2	
Kentucky	63	22.7	44	8.0	643	116.3	798	136.5	830	136.6	699	112.8	294	62.2	143	49.9	107	58.8	34	49.4	
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	29	41.3	15		217	126.4	180	118.8	243	124.4	232	106.6	109	65.0	36	36.7	46	68.2	21	77.7	
Maryland	98	26.6	47	6.3	617	79.0	680	92.9	1,102	126.5	1,062	123.7	477	78.2	217	63.5	193	86.6	77	89.8	
Massachusetts	92	23.7	69	8.6	895	99.9	869	104.8	1,143	115.2	1,055	108.6	508	72.0	236	57.6	229	74.0	114	83.2	
Michigan	223	34.9	184	13.3	1,560	108.2	1,426	112.0	1,951	133.4	2,061	134.6	883	79.7	364	56.9	298	66.7	123	70.4	
Minnesota	74	21.4	122	17.8	970	129.9	742	109.7	855	112.6	752	95.0	270	50.4	141	45.5	119	55.1	68	66.9	
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	22	17.2	15		180	67.5	149	65.7	185	78.5	182	71.1	71	39.1	50	44.5	37	44.4	13		
Nevada	34	18.1	36	9.9	260	68.9	255	66.5	357	91.8	335	93.7	158	58.0	81	47.0	51	52.8	16		
New Hampshire	12		13		180	102.2	208	136.6	257	124.7	190	87.6	90	58.7	28	33.6	36	63.9	13		
New Mexico	36	25.5	30	11.2	280	95.8	208	81.2	207	80.0	184	67.1	100	47.9	47	36.7	26	31.4	14		
New York	433	36.2	347	14.2	2,513	90.9	2,471	97.9	3,838	132.2	3,662	129.5	1,479	70.8	681	53.8	606	68.2	258	69.2	
North Carolina	159	25.7	123	10.4	1,030	84.7	1,289	106.2	1,716	129.6	1,480	116.9	740	75.8	414	72.1	250	68.2	86	63.4	
Ohio	214	29.1	185	12.1	1,680	105.2	1,512	103.6	1,801	111.1	1,685	96.9	749	59.5	321	41.9	217	39.6	85	39.2	
Oklahoma	192	75.6	103	21.4	743	140.8	671	139.8	854	181.0	769	153.1	321	83.0	184	74.9	138	85.4	60	91.0	
Oregon	95	41.2	68	14.4	576	116.6	532	102.3	637	124.2	611	109.6	301	69.0	137	56.9	95	57.0	47	66.2	
Pennsylvania	273	37.3	193	12.2	2,298	127.6	2,287	155.0	3,297	189.3	2,919	160.8	1,131	80.2	520	53.1	472	69.7	185	80.9	
Rhode Island	12		14		118	73.7	112	84.6	176	111.2	148	92.6	68	58.8	33	49.0	29	52.2	8		
South Carolina	85	30.0	91	16.0	378	61.8	469	82.5	647	105.7	609	98.1	296	58.8	145	48.5	124	66.9	45	65.5	
Tennessee	87	21.9	82	10.1	827	100.7	1,081	133.0	1,367	157.1	1,171	134.4	571	86.2	309	75.4	192	76.7	56	59.0	
Utah	34	13.3	38	8.8	444	91.9	370	91.7	401	124.6	340	114.3	150	74.5	82	70.1	63	82.1	30	112.4	
Vermont	7		11		107	119.8	72	100.7	101	111.6	76	72.8	30	37.9	19		16				
Virginia	84	16.5	80	8.2	883	83.0	853	81.4	1,077	91.4	857	75.1	369	44.2	184	38.7	138	45.9	58	51.7	
Washington	58	14.1	87	10.1	889	96.5	744	87.8	937	99.4	908	93.9	464	66.3	205	55.3	156	63.1	65	59.6	
Wisconsin	113	32.1	98	13.5	865	106.5	834	117.6	966	118.7	901	104.6	378	62.7	186	51.7	184	71.1	73	65.0	
<b>United States</b>	<b>6,326</b>	<b>30.9</b>	<b>5,524</b>	<b>13.7</b>	<b>40,253</b>	<b>95.2</b>	<b>42,844</b>	<b>106.6</b>	<b>49,815</b>	<b>114.4</b>	<b>49,217</b>	<b>113.9</b>	<b>21,555</b>	<b>68.3</b>	<b>11,189</b>	<b>59.2</b>	<b>8,894</b>	<b>68.1</b>	<b>3,894</b>	<b>73.7</b>	

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## **SUICIDE/SUICIDE ATTEMPT INDICATORS**

- 9a.** Suicides (Overall), 2006
- 9b.** Suicides by Sex, 2006
- 9c.** Suicides by Age, 2006
- 9d.** Suicide Attempt Hospitalizations (Overall), 2006
- 9e.** Suicide Attempt Hospitalizations by Sex, 2006
- 9f.** Suicide Attempt Hospitalizations by Age, 2006

## SUICIDE/SUICIDE ATTEMPT INDICATORS

For 2006, the individual state rates of suicides ranged from 6.5 (Massachusetts and New York) to 19.5 (Montana) per 100,000 persons (**Figure 9a**). The second highest rate of suicides occurred in Nevada (18.4 per 100,000 persons), followed by New Mexico (17.7 per 100,000 persons). The national rate for suicides was 11.0 per 100,000 persons. This figure represents an increase from the 2005 national rate of 10.9.

The sex-specific state rates of suicides ranged from 9.6 (Massachusetts) to 34.3 (Montana) among males and from 2.3 (New York) to 8.0 (Nevada) among females (**Figure 9b**). The national rate for suicides was 18.0 per 100,000 persons among males and 4.5 per 100,000 persons among females. The state rates were always higher among males than females.

Among the reporting states, the highest suicide rates were generally among people aged 45 to 64 years, with a range of 10.0 (New York) to 28.3 (Nevada) per 100,000 persons (**Figure 9c**). The lowest suicide rates were among people aged 0 to 14 years, with too few cases to report.

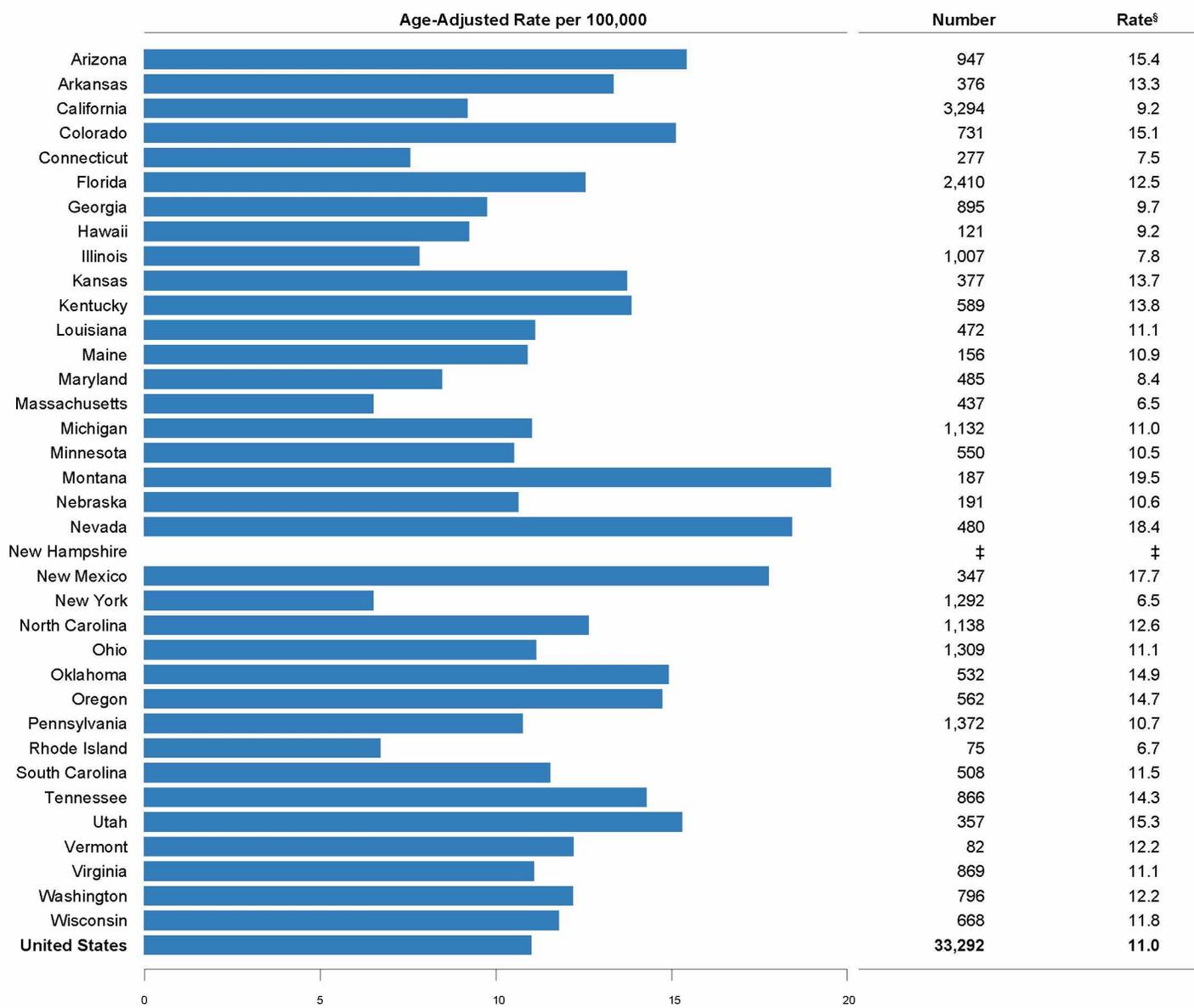
The individual state rates of suicide attempt hospitalizations ranged from 27.2 (Hawaii) to 60.1 (Oklahoma) per 100,000 persons (**Figure 9d**). The second highest rate of hospitalizations occurred in Arkansas (59.8 per 100,000 persons), followed by Pennsylvania (57.4 per 100,000 persons). The national rate for suicide attempt hospitalizations

was 44.1 per 100,000 persons. This figure represents an increase from the 2005 national rate of 43.3. The state with the highest rate (Oklahoma) had an external cause completeness percentage of 92.5%. The state with the lowest rate (Hawaii) had an external cause completeness percentage of 92.6%.

The sex-specific state rates of suicide attempt hospitalizations ranged from 22.9 (California) to 52.2 (Pennsylvania) among males and from 31.3 (Hawaii) to 72.8 (Oklahoma) among females (**Figure 9e**). The national rate for suicide attempt hospitalizations was 37.2 per 100,000 persons among males and 51.2 per 100,000 persons among females. The state rates were always higher among females than males. Rates varied from 1.1 times higher (Maryland) to 1.9 times higher (Oregon) among females than males.

Among the reporting states, rates varied by age. The highest suicide attempt hospitalization rates were generally among people aged 15 to 24 years, ranging from 41.8 (Hawaii) to 105.4 (Minnesota) per 100,000 persons, or among people aged 25 to 44 years, ranging from 37.0 (California) to 107.9 (Arkansas) per 100,000 (**Figure 9f**). The lowest suicide attempt hospitalization rates were among people aged 0 to 14 years, ranging from too few cases to report to 8.0 (Minnesota) per 100,000 persons.

**FIGURE 9A**  
Suicides (Overall), 2006



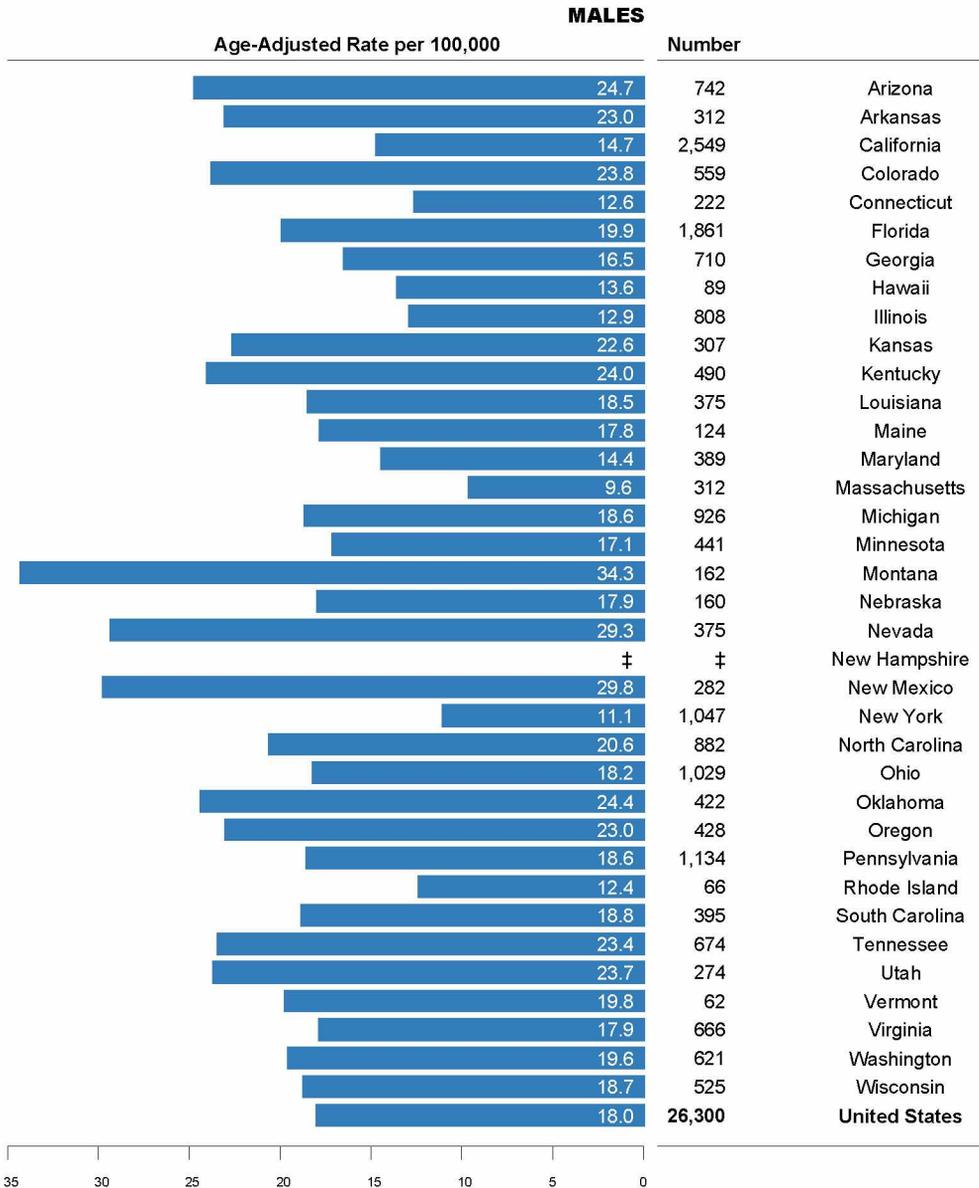
‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 9B**  
Suicides by Sex, 2006



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

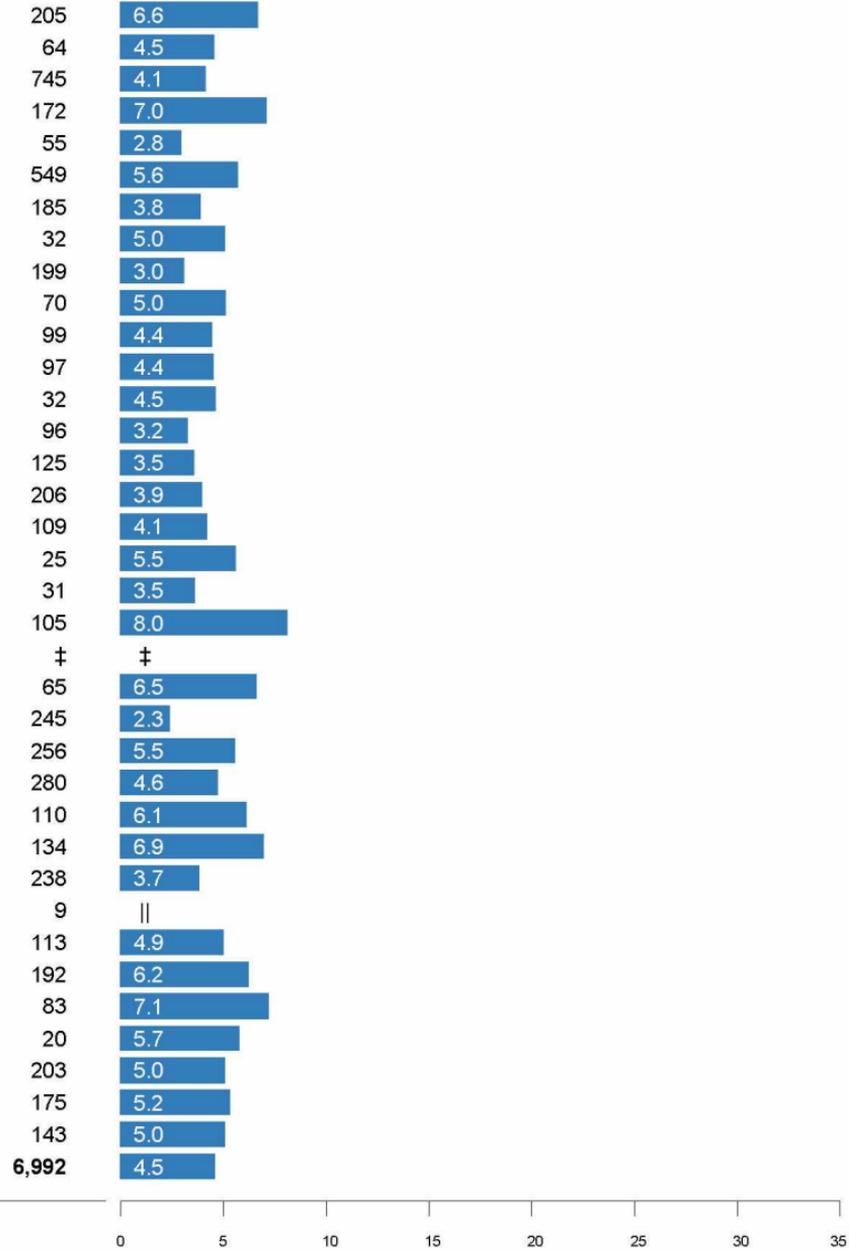
§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

## FEMALES

Number

Age-Adjusted Rate per 100,000



**FIGURE 9C**  
Suicides by Age<sup>#</sup>, 2006

State	0-14		15-24		25-44		45-64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	11		149	16.8	296	16.8	295	21.0	196	24.5
Arkansas	¶		41	10.7	138	18.2	123	17.5	70	17.9
California	17		407	7.5	1,038	9.7	1,218	14.4	614	15.6
Colorado	¶		115	16.0	278	20.0	250	20.3	84	17.7
Connecticut	¶		33	7.0	92	9.6	116	12.3	34	7.2
Florida	¶		200	8.7	715	14.8	939	20.5	552	18.2
Georgia	5		103	7.7	307	10.8	340	15.1	140	15.3
Hawaii	¶		23	13.0	39	10.8	39	11.9	18	
Illinois	¶		131	7.1	370	10.1	365	11.6	137	8.9
Kansas	¶		50	12.1	148	20.3	120	17.5	57	15.9
Kentucky	¶		69	12.5	239	20.0	190	17.4	88	16.4
Louisiana	¶		66	10.2	187	16.4	145	13.5	70	13.4
Maine	¶		14		50	14.4	70	18.2	22	11.4
Maryland	5		71	9.1	163	10.2	172	11.7	74	11.4
Massachusetts	¶		43	4.8	158	8.7	189	11.3	45	5.3
Michigan	8		114	7.9	414	15.1	437	16.6	159	12.6
Minnesota	5		83	11.1	208	14.5	183	13.8	71	11.3
Montana	¶		28	20.5	64	27.5	54	20.1	39	29.9
Nebraska	¶		40	15.0	50	10.8	73	16.7	24	10.2
Nevada	¶		59	15.6	151	19.6	178	28.3	88	29.9
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	¶		66	22.6	112	21.7	116	24.0	50	20.6
New York	9		144	5.2	446	8.2	491	10.0	202	8.0
North Carolina	8		148	12.2	380	15.0	425	19.0	177	16.4
Ohio	12		174	10.9	441	14.3	493	16.4	189	12.3
Oklahoma	5		69	13.1	198	20.8	187	21.0	73	15.4
Oregon	¶		69	14.0	176	17.0	211	21.2	104	21.7
Pennsylvania	9		167	9.3	470	14.6	498	15.4	228	12.1
Rhode Island	¶		6		26	8.9	34	12.3	9	
South Carolina	6		56	9.2	178	15.1	184	16.4	84	15.2
Tennessee	¶		97	11.8	326	19.4	312	20.3	129	17.1
Utah	¶		58	12.0	151	20.8	103	20.7	43	19.5
Vermont	¶		¶		25	15.4	38	20.7	14	
Virginia	¶		103	9.7	284	12.8	334	16.9	144	16.2
Washington	5		115	12.5	239	13.3	308	18.5	129	17.8
Wisconsin	6		65	8.0	278	18.3	240	16.4	79	10.8
<b>United States</b>	<b>219</b>	<b>0.4</b>	<b>4,189</b>	<b>9.9</b>	<b>11,576</b>	<b>13.8</b>	<b>12,009</b>	<b>16.1</b>	<b>5,299</b>	<b>14.2</b>

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

**FIGURE 9D**  
**Suicide Attempt Hospitalizations (Overall), 2006**



\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.

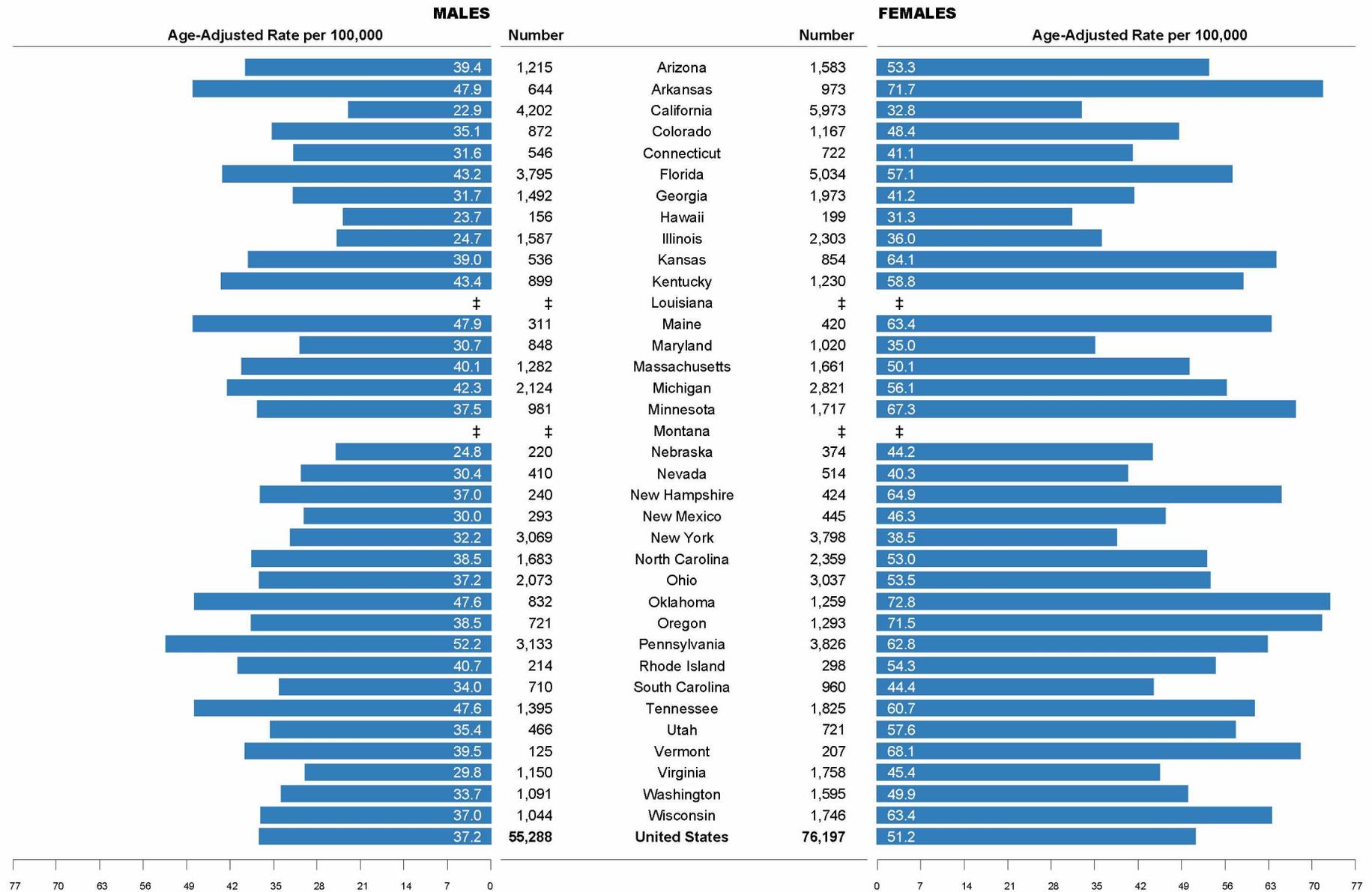
‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 9E**  
**Suicide Attempt Hospitalizations by Sex, 2006**



‡ No data available.      || Rates are suppressed if fewer than 20 cases were reported.  
 § Rate per 100,000 population.      ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 9F**  
**Suicide Attempt Hospitalizations by Age<sup>#</sup>, 2006**

State	0-14		15-24		25-44		45-64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	52	3.7	605	68.3	1,330	75.5	714	50.9	97	12.1
Arkansas	23	4.0	356	92.6	817	107.9	373	53.2	48	12.3
California	305	3.9	2,404	44.3	3,954	37.0	2,891	34.2	621	15.8
Colorado	40	4.0	489	68.2	910	65.6	518	42.1	82	17.3
Connecticut	24	3.6	299	63.3	542	56.8	349	37.0	54	11.5
Florida	158	4.8	1,670	72.7	3,705	76.6	2,669	58.3	627	20.7
Georgia	55	2.7	737	55.3	1,648	58.2	902	40.1	123	13.5
Hawaii	7		74	41.8	139	38.4	105	32.1	30	16.7
Illinois	88	3.3	1,006	54.7	1,773	48.4	908	28.9	115	7.5
Kansas	34	5.9	367	88.5	654	89.5	311	45.3	24	6.7
Kentucky	23	2.8	421	76.1	1,104	92.6	533	48.8	48	8.9
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	12		153	89.1	322	92.8	218	56.6	26	13.5
Maryland	27	2.4	408	52.3	853	53.2	499	34.0	81	12.5
Massachusetts	37	3.1	641	71.6	1,312	72.0	838	50.0	115	13.4
Michigan	99	4.9	1,146	79.5	2,210	80.8	1,341	50.8	149	11.8
Minnesota	82	8.0	787	105.4	1,207	84.1	560	42.2	62	9.9
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	11		143	53.6	265	57.3	155	35.4	20	8.5
Nevada	27	4.9	198	52.5	397	51.4	260	41.3	47	16.0
New Hampshire	10		122	69.3	350	97.7	170	45.9	12	
New Mexico	20	4.9	229	78.4	299	58.1	168	34.8	22	9.1
New York	175	4.8	1,678	60.7	2,875	53.0	1,790	36.4	349	13.8
North Carolina	72	4.0	734	60.3	1,996	78.6	1,079	48.1	161	15.0
Ohio	128	5.6	1,247	78.1	2,336	75.8	1,230	41.0	169	11.0
Oklahoma	40	5.4	501	95.0	982	103.2	503	56.6	65	13.7
Oregon	44	6.3	433	87.6	916	88.7	554	55.8	67	14.0
Pennsylvania	106	4.6	1,476	82.0	3,221	100.1	1,850	57.4	306	16.2
Rhode Island	12		109	68.1	214	73.6	152	55.2	25	16.9
South Carolina	61	7.2	284	46.4	796	67.4	476	42.3	54	9.8
Tennessee	46	3.8	563	68.5	1,637	97.3	866	56.5	108	14.3
Utah	29	4.2	329	68.1	543	74.9	258	51.7	28	12.7
Vermont	6		88	98.5	145	89.5	77	42.0	16	
Virginia	45	3.0	672	63.2	1,433	64.4	686	34.7	72	8.1
Washington	55	4.3	623	67.6	1,191	66.5	710	42.6	107	14.7
Wisconsin	72	6.7	675	83.1	1,277	83.9	679	46.4	87	11.9
<b>United States</b>	<b>3,216</b>	<b>5.3</b>	<b>28,948</b>	<b>68.5</b>	<b>59,388</b>	<b>70.9</b>	<b>34,969</b>	<b>46.8</b>	<b>5,120</b>	<b>13.7</b>

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

## **TRAUMATIC BRAIN INJURY INDICATORS**

**10a.** Traumatic Brain Injury Fatalities (Overall), 2006

**10b.** Traumatic Brain Injury Fatalities by Sex, 2006

**10c.** Traumatic Brain Injury Fatalities by Age, 2006

**10d.** Traumatic Brain Injury Hospitalizations (Overall), 2006

**10e.** Traumatic Brain Injury Hospitalizations by Sex, 2006

**10f.** Traumatic Brain Injury Hospitalizations by Age, 2006

## TRAUMATIC BRAIN INJURY INDICATORS

For 2006, the individual state rates of traumatic brain injury (TBI) fatalities ranged from 9.9 (Massachusetts) to 29.1 (Montana) per 100,000 persons (**Figure 10a**). The second highest rate of fatalities occurred in Kansas (27.2 per 100,000 persons), followed by Arkansas (26.2 per 100,000 persons). The national rate for TBI fatalities was 17.9 per 100,000 persons. This figure represents a decrease from the 2005 national rate of 18.2.

The sex-specific state rates of TBI fatalities ranged from 15.1 (Massachusetts) to 43.7 (Montana) among males and from 5.0 (Connecticut) to 15.1 (Montana) among females (**Figure 10b**). The national rate for TBI fatalities was 28.0 per 100,000 persons among males and 8.8 per 100,000 persons among females. The state rates were always higher among males than females. Rates varied from 1.9 times higher (Hawaii) to 4.1 times higher (New Mexico) among males than females.

Among the reporting states, the highest TBI fatality rates were generally among people aged 65 years or older, with a range of 30.6 (Connecticut and Maryland) to 63.5 (Kansas) per 100,000 persons (**Figure 10c**). The lowest TBI fatality rates were among people aged 0 to 14 years, with a range of too few cases to report to 7.1 (Oklahoma) per 100,000 persons.

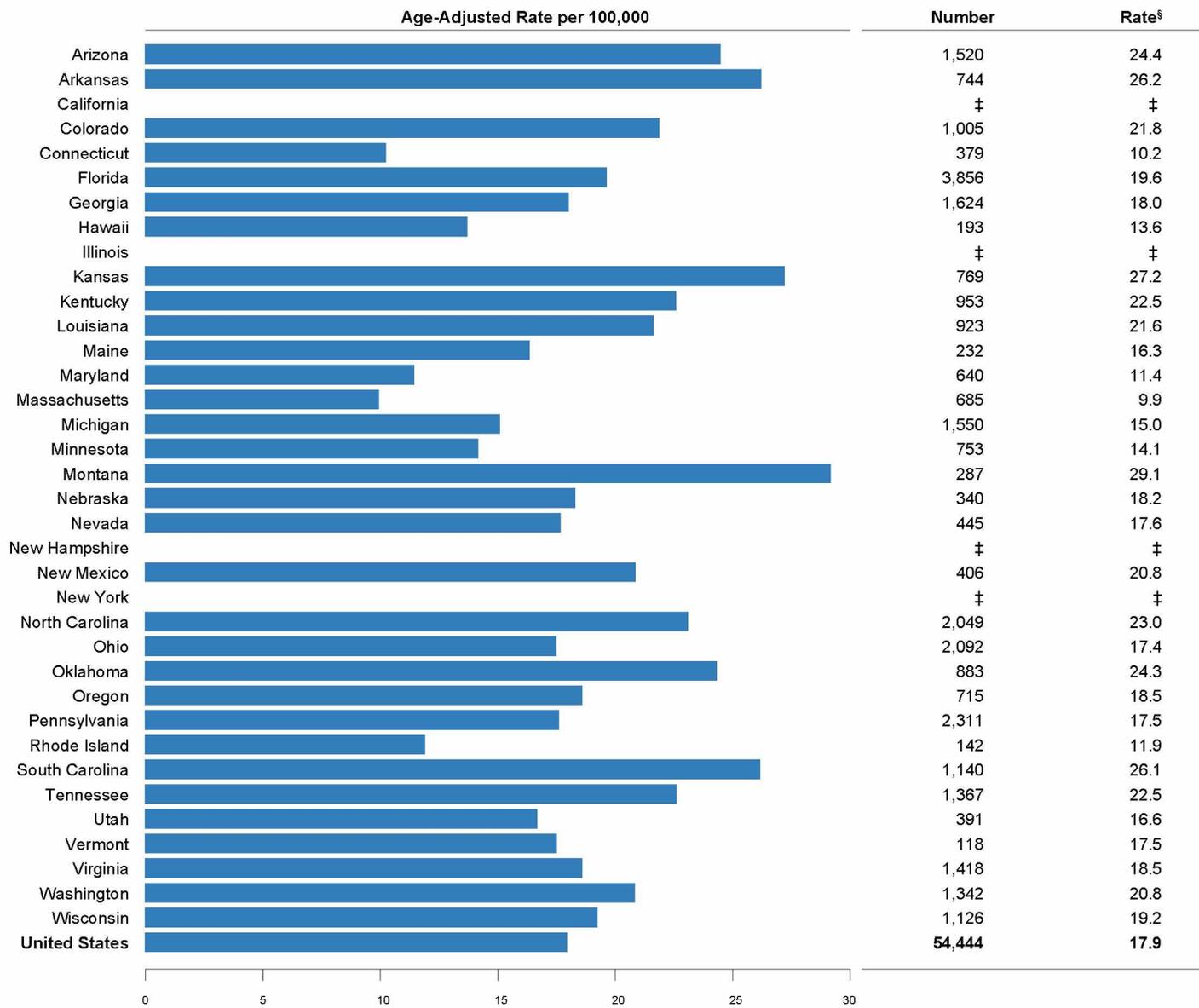
The individual state rates of TBI hospitalizations ranged from 39.4 (New Hampshire) to 131.5 (Pennsylvania) per 100,000 persons

(**Figure 10d**). The second highest rate of hospitalizations occurred in Hawaii (109.0 per 100,000 persons), followed by Maryland (108.3 per 100,000 persons). The national rate for TBI hospitalizations was 94.6 per 100,000 persons. This figure represents an increase from the 2005 national rate of 84.3. The state with the lowest rate (New Hampshire) had an external cause completeness percentage of 98.9%. The state with the highest rate (Pennsylvania) had an external cause completeness percentage of 97.3%.

The sex-specific state rates of TBI hospitalizations ranged from 52.5 (New Hampshire) to 176.1 (Pennsylvania) among males and from 27.7 (New Hampshire) to 89.9 (Pennsylvania) among females (**Figure 10e**). The national rate for TBI hospitalizations was 127.5 per 100,000 persons among males and 62.2 per 100,000 persons among females. The state rates were always higher among males. Rates varied from 1.7 times higher (Kansas, Nebraska, and Oklahoma) to 2.4 times higher (Hawaii) among males than females.

Among the reporting states, rates varied by age. The highest TBI hospitalization rates were among people aged 85 years or older, ranging from 235.0 (Ohio) to 803.2 (Hawaii) per 100,000 persons (**Figure 10f**). The lowest TBI hospitalization rates were among people aged 5 to 14 years, ranging from 13.1 (New Hampshire) to 63.5 (Pennsylvania) per 100,000 persons.

**FIGURE 10A**  
**Traumatic Brain Injury Fatalities (Overall), 2006**



‡ No data available.

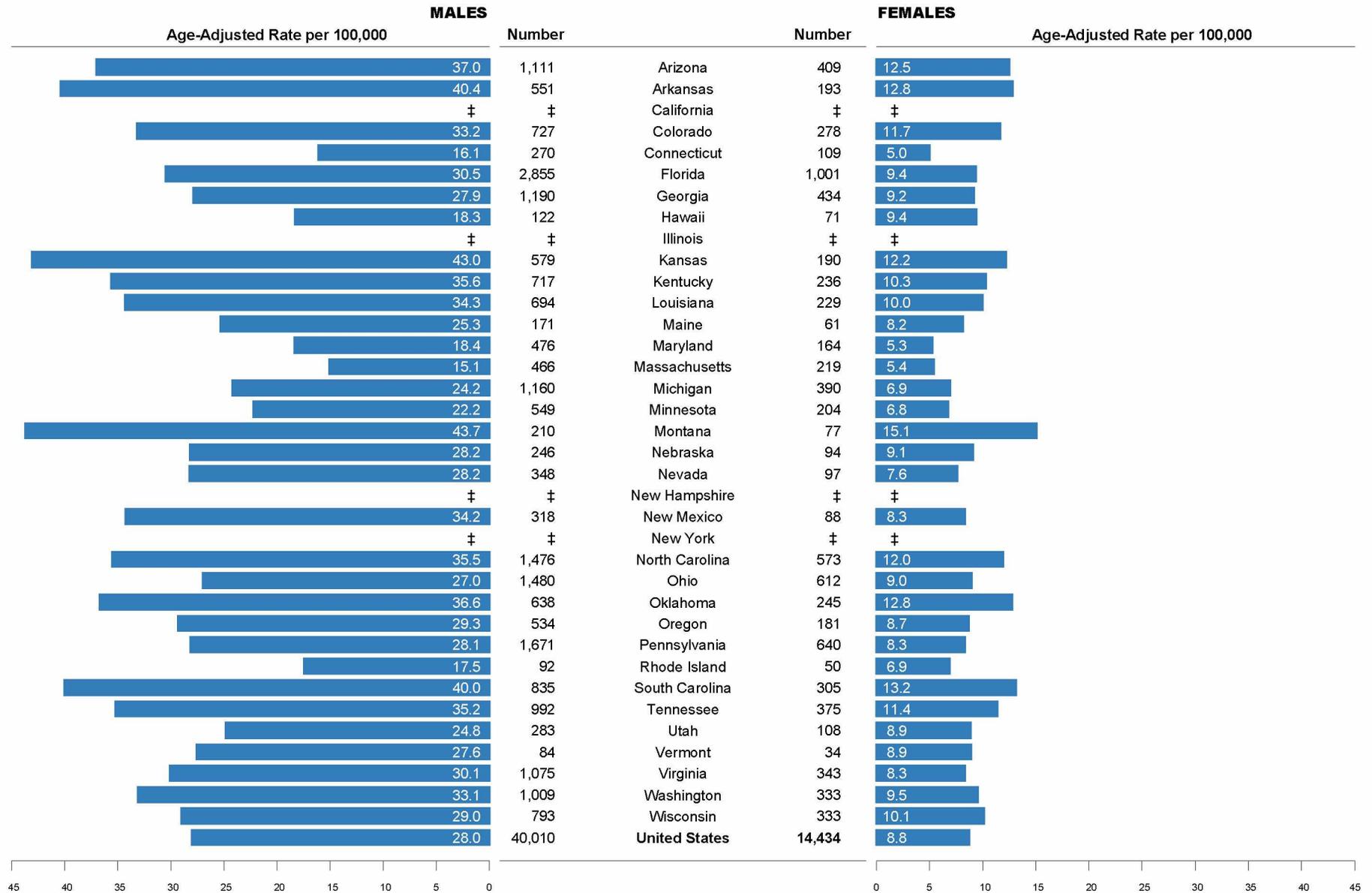
|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 10B**

**Traumatic Brain Injury Fatalities by Sex, 2006**



‡ No data available.      || Rates are suppressed if fewer than 20 cases were reported.  
 § Rate per 100,000 population.      ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 10C**  
**Traumatic Brain Injury Fatalities by Age<sup>#</sup>, 2006**

State	0–14		15–24		25–44		45–64		65+	
	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>	N	Rate <sup>§</sup>
Arizona	68	4.9	288	32.5	377	21.4	353	25.2	434	54.3
Arkansas	34	5.9	148	38.5	210	27.7	195	27.8	157	40.2
California	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Colorado	41	4.1	179	25.0	254	18.3	263	21.4	268	56.4
Connecticut	9		55	11.6	84	8.8	87	9.2	144	30.6
Florida	125	3.8	565	24.6	923	19.1	936	20.4	1,307	43.1
Georgia	84	4.1	312	23.4	460	16.2	413	18.4	355	38.9
Hawaii	¶		26	14.7	36	9.9	45	13.8	83	46.3
Illinois	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Kansas	31	5.4	122	29.4	209	28.6	180	26.2	227	63.5
Kentucky	27	3.3	164	29.7	313	26.2	227	20.8	222	41.3
Louisiana	41	4.6	171	26.4	294	25.7	231	21.4	186	35.5
Maine	¶		34	19.8	52	15.0	66	17.1	76	39.5
Maryland	16		107	13.7	162	10.1	156	10.6	199	30.6
Massachusetts	16		100	11.2	139	7.6	161	9.6	269	31.4
Michigan	51	2.5	186	12.9	370	13.5	419	15.9	524	41.6
Minnesota	30	2.9	86	11.5	165	11.5	196	14.8	276	44.0
Montana	12		54	39.6	68	29.2	78	29.1	75	57.4
Nebraska	11		69	25.9	65	14.1	81	18.5	114	48.6
Nevada	21	3.8	53	14.0	119	15.4	132	21.0	120	40.8
New Hampshire	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
New Mexico	18		67	22.9	95	18.4	102	21.1	124	51.2
New York	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
North Carolina	96	5.3	341	28.0	548	21.6	509	22.7	555	51.6
Ohio	69	3.0	306	19.2	457	14.8	531	17.7	729	47.6
Oklahoma	52	7.1	132	25.0	246	25.8	238	26.8	215	45.4
Oregon	27	3.8	97	19.6	141	13.7	196	19.7	254	53.1
Pennsylvania	66	2.9	362	20.1	541	16.8	499	15.5	843	44.7
Rhode Island	¶		27	16.9	23	7.9	29	10.5	62	41.9
South Carolina	43	5.1	206	33.7	357	30.2	307	27.3	227	41.0
Tennessee	39	3.2	225	27.4	372	22.1	376	24.5	355	47.0
Utah	19		82	17.0	127	17.5	80	16.0	83	37.7
Vermont	¶		17		22	13.6	34	18.5	44	53.0
Virginia	44	3.0	265	24.9	332	14.9	367	18.6	410	46.2
Washington	38	3.0	213	23.1	282	15.8	374	22.4	435	59.9
Wisconsin	27	2.5	178	21.9	259	17.0	266	18.2	396	54.2
<b>United States</b>	<b>2,077</b>	<b>3.4</b>	<b>8,990</b>	<b>21.3</b>	<b>13,728</b>	<b>16.4</b>	<b>13,503</b>	<b>18.1</b>	<b>16,146</b>	<b>43.3</b>

‡ No data available.

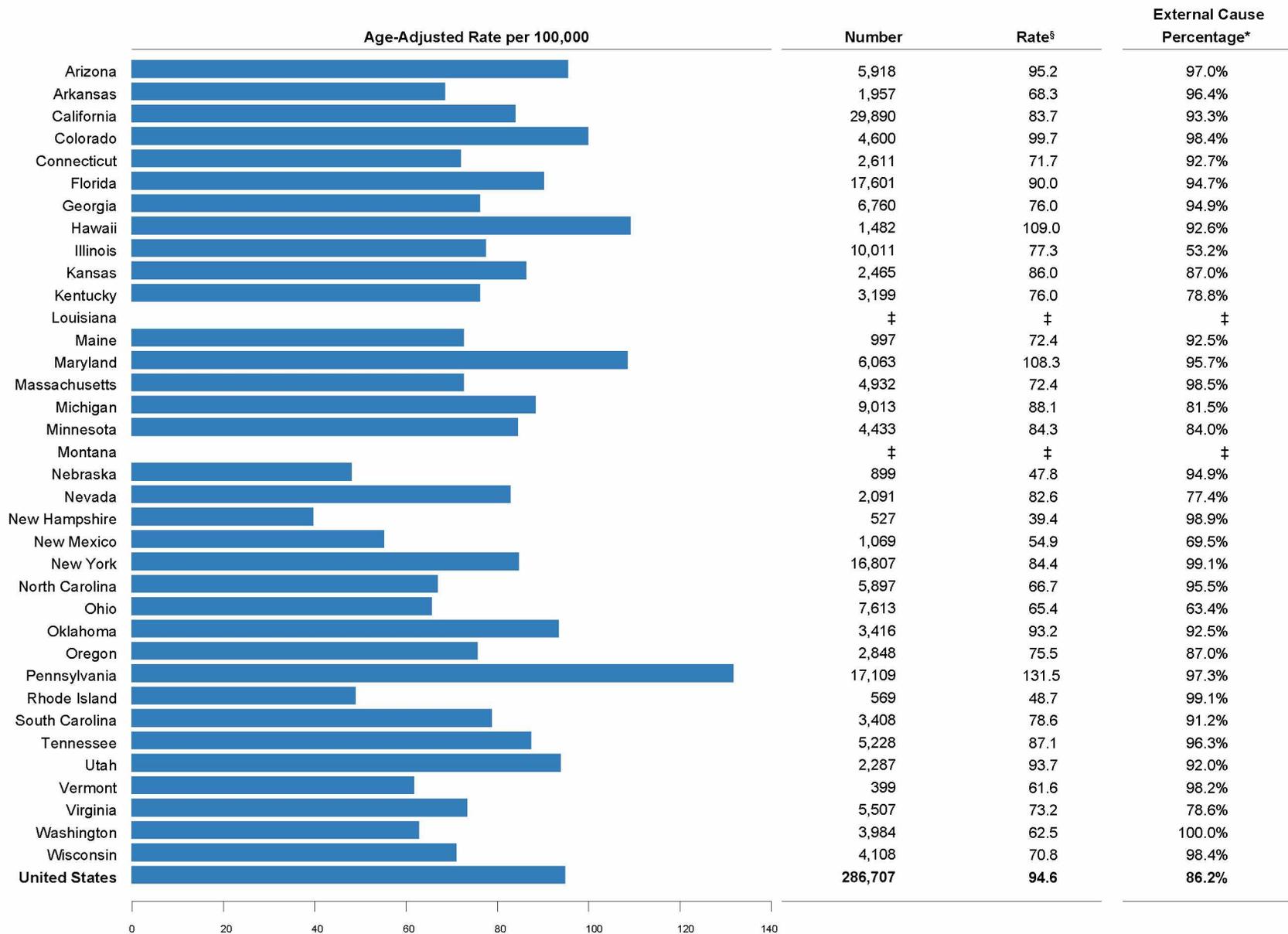
§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.

**FIGURE 10D**  
**Traumatic Brain Injury Hospitalizations (Overall), 2006**

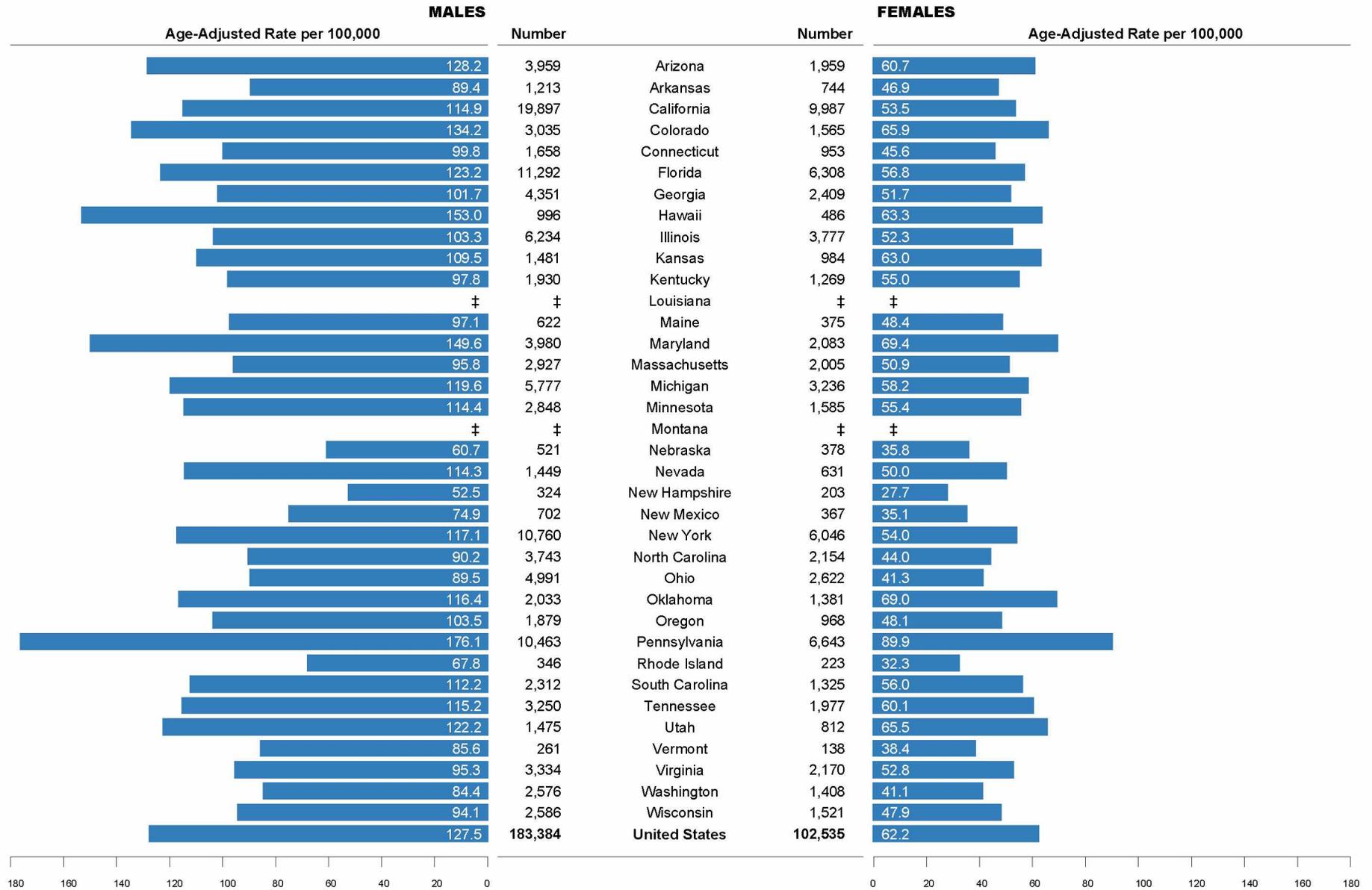


\* Percentage of hospital discharge data injury hospitalizations with external cause coding. Incompleteness may lead to bias.  
 ‡ No data available.  
 § Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.  
 ¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 10E**

**Traumatic Brain Injury Hospitalizations by Sex, 2006**



‡ No data available.

|| Rates are suppressed if fewer than 20 cases were reported.

§ Rate per 100,000 population.

¶ Case counts are suppressed if fewer than 5 cases were reported.

**FIGURE 10F**  
**Traumatic Brain Injury Hospitalizations by Age#, 2006**

State	0-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75-84		85+		
	N	Rate <sup>§</sup>																			
Arizona	330	68.4	412	45.4	1,266	142.9	836	92.8	786	91.2	687	86.9	451	73.7	345	79.8	486	179.9	319	332.7	
Arkansas	70	35.6	121	32.0	358	93.1	219	58.2	226	59.4	229	59.2	148	47.0	167	82.4	251	188.9	168	306.4	
California	1,478	56.3	1,857	36.2	5,616	103.6	3,405	65.4	3,281	59.8	3,440	68.6	2,552	74.3	2,350	117.6	3,490	254.5	2,421	437.0	
Colorado	128	36.5	188	28.8	838	116.9	534	81.8	588	80.0	672	91.9	499	100.1	340	131.0	482	298.8	331	612.1	
Connecticut	114	56.2	139	30.0	399	84.5	224	54.9	281	51.5	287	52.2	197	50.2	230	102.3	410	242.4	330	432.0	
Florida	745	65.9	815	37.3	2,699	117.5	1,814	80.2	1,848	71.8	1,941	76.7	1,535	74.9	1,559	107.7	2,603	231.7	2,042	440.2	
Georgia	319	45.4	417	31.3	1,254	94.0	882	64.1	852	58.5	805	61.2	566	60.5	496	98.3	704	238.5	465	410.2	
Hawaii	51	62.6	75	49.4	226	127.6	157	86.6	148	82.0	157	85.8	100	69.5	114	133.7	239	355.6	215	803.2	
Illinois	422	47.5	450	25.4	1,600	87.0	1,020	56.9	1,012	54.2	1,145	62.1	877	67.7	823	106.9	1,447	269.4	1,215	535.0	
Kansas	92	47.4	141	37.1	445	107.3	239	67.3	223	59.4	278	69.0	200	70.4	211	123.1	384	303.0	252	423.4	
Kentucky	123	44.3	157	28.5	554	100.2	383	65.5	374	61.6	369	59.5	251	53.1	274	95.6	431	236.8	283	410.8	
Louisiana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Maine	46	65.5	32	20.7	167	97.3	116	76.5	86	44.0	102	46.9	95	56.7	92	93.7	152	225.4	109	403.5	
Maryland	174	47.3	219	29.4	1,367	175.1	861	117.6	829	95.1	760	88.5	523	85.8	347	101.5	568	254.8	415	483.9	
Massachusetts	211	54.4	208	26.0	668	74.6	362	43.6	463	46.6	536	55.2	453	64.2	469	114.5	851	275.2	711	518.9	
Michigan	393	61.6	487	35.3	1,468	101.8	961	75.5	990	67.7	1,114	72.8	858	77.5	719	112.4	1,168	261.5	855	489.2	
Minnesota	193	55.9	292	42.6	777	104.1	442	65.3	463	61.0	503	63.6	362	67.6	342	110.3	573	265.5	486	478.2	
Montana	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Nebraska	48	37.6	54	22.5	133	49.9	61	26.9	61	25.9	85	33.2	82	45.2	94	83.7	147	176.6	134	342.5	
Nevada	112	59.7	106	29.3	358	94.9	237	61.8	277	71.3	274	76.6	209	76.7	189	109.7	225	232.9	104	417.7	
New Hampshire	11		22	13.1	90	51.1	38	25.0	56	27.2	58	26.8	50	32.6	55	66.1	78	138.5	69	297.2	
New Mexico	75	53.1	72	26.8	173	59.2	121	47.2	123	47.5	112	40.8	90	43.1	82	64.1	129	155.7	92	291.0	
New York	869	72.6	994	40.6	2,672	96.6	1,682	66.6	1,706	58.8	1,916	67.8	1,590	76.1	1,408	111.2	2,148	241.6	1,822	488.4	
North Carolina	279	45.2	263	22.3	989	81.3	623	51.3	626	47.3	686	54.2	518	53.1	511	89.0	798	217.7	604	445.2	
Ohio	285	38.8	427	27.8	1,532	95.9	1,013	69.4	1,047	64.6	1,002	57.6	655	52.0	460	60.0	682	124.4	510	235.0	
Oklahoma	232	91.3	219	45.5	624	118.3	349	72.7	314	66.6	394	78.4	257	66.5	277	112.7	427	264.1	323	489.8	
Oregon	164	71.1	127	26.9	479	97.0	321	61.7	327	63.8	352	63.2	275	63.1	210	87.3	333	199.9	260	366.4	
Pennsylvania	590	80.7	1,005	63.5	3,043	169.0	1,663	112.7	1,821	104.6	1,930	106.3	1,450	102.9	1,392	142.1	2,392	353.1	1,823	797.4	
Rhode Island	33	53.3	25	19.0	55	34.3	38	28.7	54	34.1	45	28.1	59	51.0	41	60.9	116	208.9	103	410.0	
South Carolina	158	55.7	159	28.0	642	104.9	431	75.8	423	69.1	390	62.8	293	58.2	289	96.6	364	196.3	259	377.0	
Tennessee	227	57.2	257	31.6	955	116.2	625	76.9	623	71.6	615	70.6	454	68.5	451	110.0	614	245.3	407	428.9	
Utah	212	83.0	246	56.9	428	88.6	280	69.4	195	60.6	227	76.3	177	87.9	151	129.2	226	294.5	145	543.1	
Vermont	9		22	29.9	85	95.2	39	54.5	36	39.8	47	45.0	45	56.8	35	82.2	43	149.9	38	324.4	
Virginia	224	44.0	225	22.9	901	84.7	533	50.9	543	46.1	619	54.3	479	57.4	530	111.6	823	273.6	630	561.9	
Washington	163	39.5	228	26.6	626	68.0	440	51.9	433	45.9	468	48.4	373	53.3	310	83.7	496	200.7	447	410.1	
Wisconsin	185	52.5	217	29.9	696	85.7	402	56.7	412	50.6	461	53.5	382	63.3	329	91.4	598	231.0	426	379.6	
<b>United States</b>	<b>12,447</b>	<b>60.9</b>	<b>15,179</b>	<b>37.7</b>	<b>49,393</b>	<b>116.9</b>	<b>33,941</b>	<b>84.5</b>	<b>31,078</b>	<b>71.4</b>	<b>34,742</b>	<b>80.4</b>	<b>25,212</b>	<b>79.9</b>	<b>23,029</b>	<b>121.8</b>	<b>35,463</b>	<b>271.6</b>	<b>26,223</b>	<b>496.1</b>	

‡ No data available.

§ Rate per 100,000 population.

|| Rates are suppressed if fewer than 20 cases were reported.

¶ Case counts are suppressed if fewer than 5 cases were reported.

# Age in years.



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